



UNIVERSITY OF ALBERTA

folio

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New dinosaur king discovered

Huge meat eaters believed to have hunted in packs

By Julie Naylor and Phoebe Dey

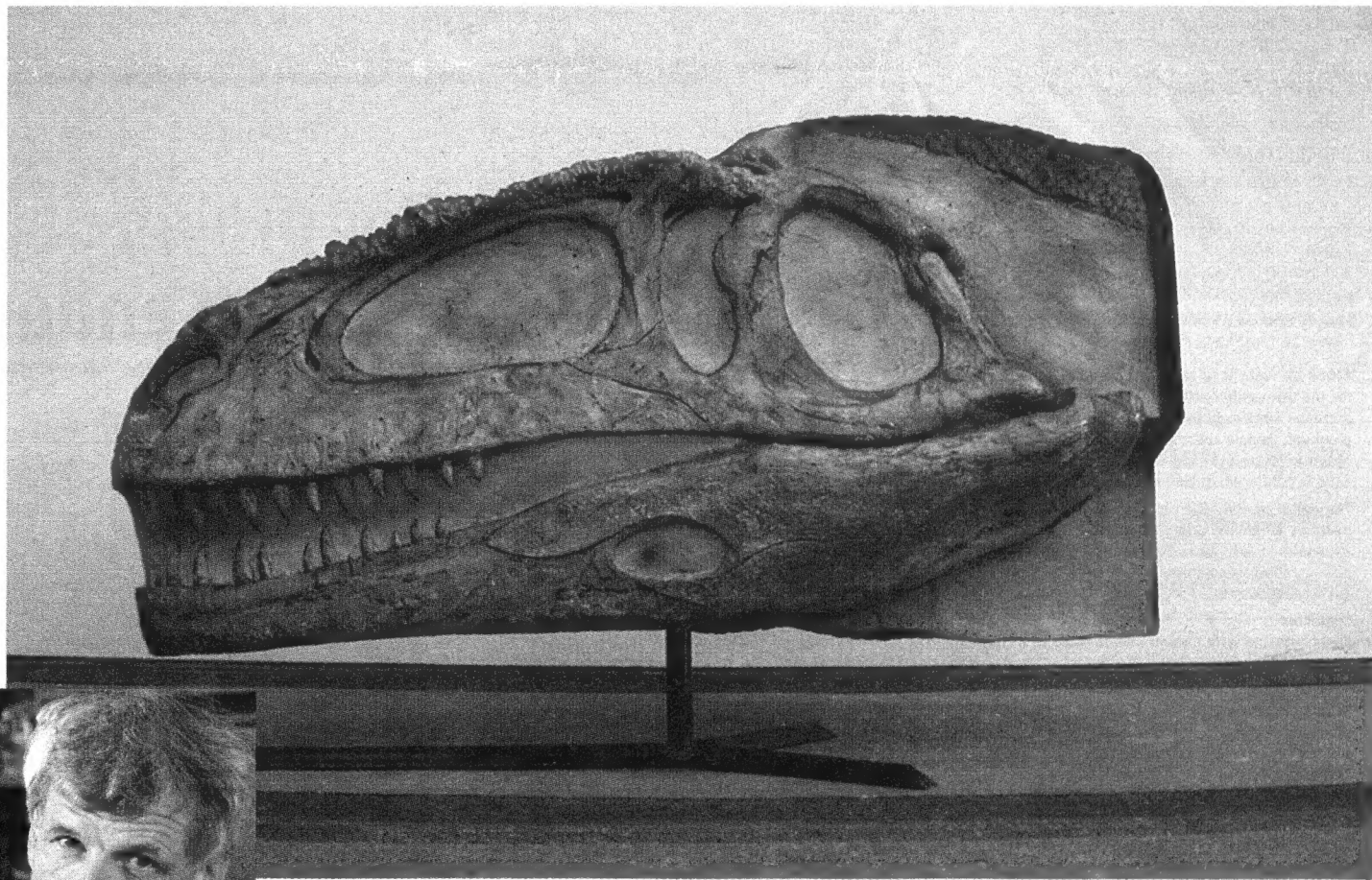
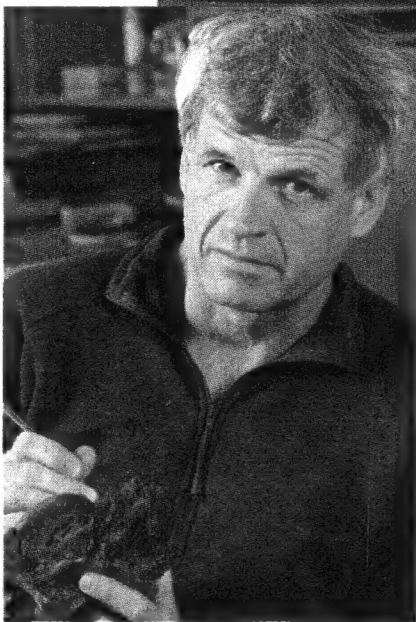
Move over T. rex, there's a new king of the Cretaceous. A University of Alberta paleontologist was part of a team to unveil what may be one of the largest carnivorous dinosaurs known.

The U of A's Dr. Philip Currie and professor Rodolfo Coria of the Museo Carmen Funes in Argentina have identified and named the new species, *Mapusaurus roseae*. "Over the last decade, people have become increasingly aware of a group of gigantic meat-eating dinosaurs called carcharodontosaurids," said Currie. "These animals include *Giganotosaurus*, which was larger than the largest-known specimen of *Tyrannosaurus rex*. After four years of working in a dinosaur quarry in Argentina, we discovered that we had a new species of carcharodontosaurid that we called *Mapusaurus roseae*."

Hundreds of *Mapusaurus* bones were found in 100-million-year-old sandstone. The remains include what may be one of the biggest meat-eating dinosaurs known, slightly larger than its older cousin, *Giganotosaurus*. The discovery, made 24 kilometres south of the city of Plaza Huincul in 1995, took five years of excavation under the direction of Coria and Currie, who removed 90 tonnes of sandstone from a desert hilltop.

For a century, giant meat-eating dinosaurs such as *Tyrannosaurus rex* were assumed to be solitary animals. Family groupings of large meat-eating dinosaurs have only recently been identified, and could provide paleontologists with information on its behaviour, the probable ways the creature ate and what can be learned about changes during growth.

"The presence of so many animals in one quarry suggests that they were living together in a pack at the time leading up to their catastrophic death," said Currie.



U of A professor Philip Currie is part of a team that discovered a new species of dinosaur, *Mapusaurus roseae*, in Argentina. Its skull measures nearly two metres long. A healthy adult could have measured more than 12 metres in length.

"Similar sites found recently in Alberta, Mongolia and the United States suggest that this kind of social behaviour may have been relatively common in

late cretaceous (65 - 90 million years ago) times."

Currie speculated that by co-ordinating movements, the *Mapusaurus* pack or family might have been able to hunt the largest dinosaur that ever lived - *Argentinosaurus*, the 40-metre plant-eater

which shared its habitat in central South America 100 million years ago. Currie and Coria described this new species in the journal *Geodiversitas*.

The *Mapusaurus* individuals found ranged in size from slender juveniles 5.5 metres long to a robust adult that exceeded 12.5 metres in length. The fossils include the longest known fibula (shin) bone for any meat-eating dinosaur, slightly longer though than that of its close cousin, *Giganotosaurus*. The skull of *Mapusaurus* is lower and lighter than that of the *Giganotosaurus*, with similar sharp, blade-shaped teeth.

"This is fresh information about the social lives of the largest carnivores on Earth. And it's one of the most remark-

able of a dozen new species discoveries, many of them gigantic, in the last decade from this region of western Patagonia," said dinosaur enthusiast and dig participant, "Dino" Don Lessem, one of several excavation sponsors, along with the Museo Carmen Funes, the Direccion de Patrimonio de Neuquen and Amblin/Universal Pictures (via royalties from Lessem's Jurassic Park exhibitions).

Mapusaurus is named for the word "Earth" in the language of the Mapuches, the native American tribe of western Patagonia. Its species name *roseae* refers to the rose-coloured rocks that the specimens were found in, and honours the first name of the principal donor of the Argentina-Canada Dinosaur Project. ■

University launches arts and humanities research fund

\$1.5-million per year to assist 'underfunded' disciplines

By **Ileiren Byles**

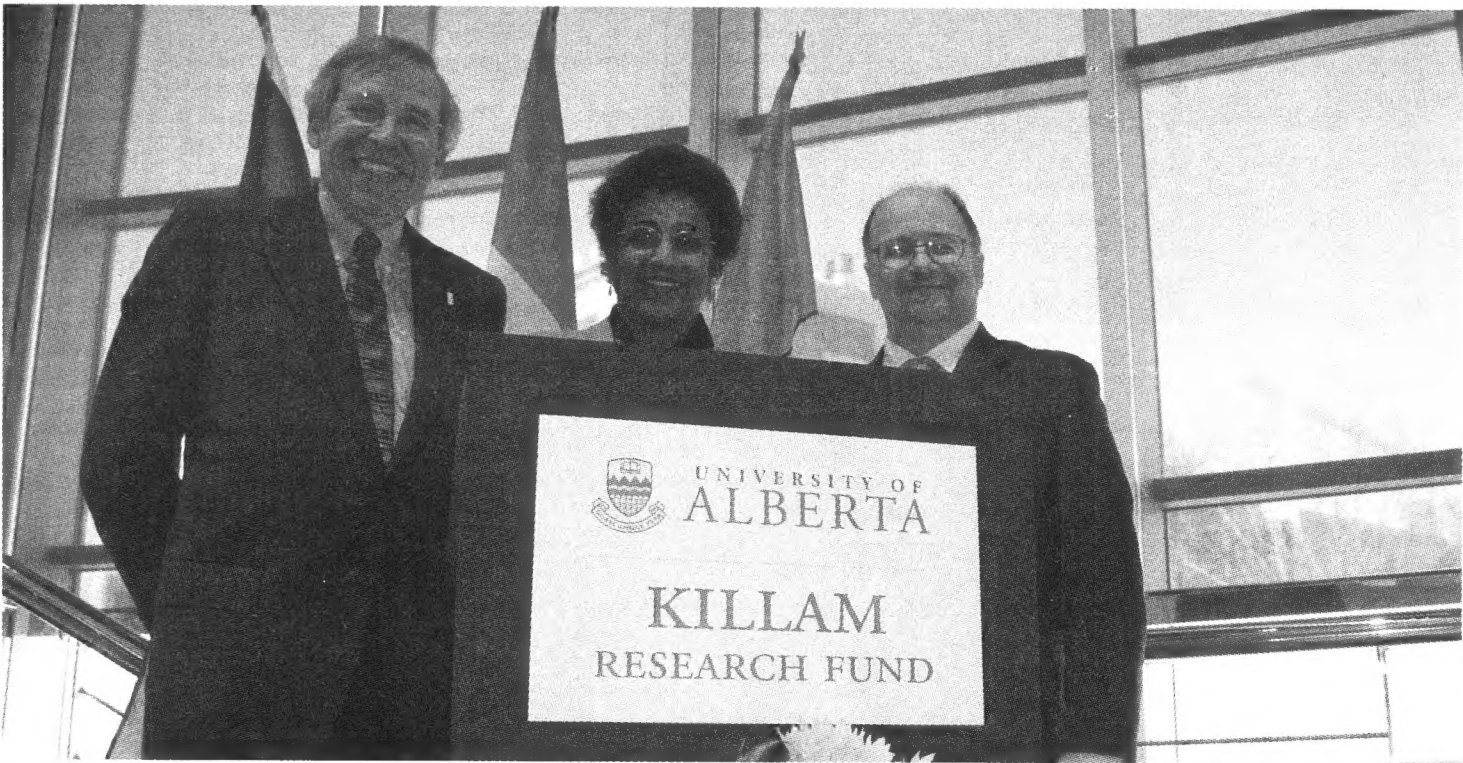
The University of Alberta is set to support arts and humanities with a 'daring and imaginative' new research fund.

The Killam Research Fund, a \$1.5-million annual disbursement fund, will support U of A students, faculty and researchers in the areas of social sciences and fine arts, President Indira Samarasekera announced Tuesday.

"Our university understands and values the essential role played by the social sciences, humanities and fine arts not only in learning, but throughout our community," she said. "They contribute to discovery and they create and sustain our civil society and quality of life."

The fact is, said Samarasekera, the humanities and fine arts have suffered from post-secondary funding cuts and inadequate investment. The disciplines in the human sciences represent 63 per cent of all students, 59 per cent of all graduate students and 54 per cent of all faculty members at Canadian universities. And yet, she said, the federal funding agency, the Social Sciences and Humanities Research Council, receives only 12 per cent of the total research investment distributed through the federal Tri-Council's grants.

"While the areas of medical research, science and engineering have benefited from the support of generous and long-



John Matthews, a trustee of the Killam Trust, U of A President Indira Samarasekera and U of A Vice-President (Research) Dr. Gary Kachanoski at the The Killam Research Fund announcement Tuesday.

standing endowments, fundamental and indispensable disciplines such as history, literature, art, music and philosophy have struggled to sustain their critical research agenda on less-than-shoestring budgets," said Samarasekera. "Repeated and systematic underfunding in these areas has a destabilizing effect across the entire research environment. It's like having a three-legged stool with one leg shaved off."

This new fund has already begun the stabilizing process, said U of A Vice-President (Research) Dr. Gary Kachanoski.

"The fund has divided the \$1.5 million into support for research and scholarship in two ways. First, through the Cornerstone Grants Program, which accepts applications for funding in four categories and includes support for scholarship and con-

ference travel; and secondly, through programmatic funding which is allocated by the VP (Research) for initiatives of special importance to the fine arts, humanities and social sciences," he said.

Grants have already been distributed to a collaborative project between the U of A's School of Native Studies and the Faculty of Law, as well as for travel to conferences covering topics ranging from behavioural nutrition and physical activity to librarianship, to philosophy and literature.

"A thriving and well-funded creative community is one of the hallmarks of a great university and a civil society," said Kachanoski.

The new fund is supported by the Killam Scholarship and Prize Programs, which were established in memory of Izaak

Walton Killam through the will of his wife, Dorothy Johnson Killam, and through gifts made during her lifetime. Their primary purpose is to support advanced education and research.

"We've long been impressed with the innovative way in which this university, particularly, looks after its Killam funds," said John Matthews, a trustee of the Killam Trust. "It has been a pacesetter on the administration and investments side and, more importantly, on the academic side, where it has shown creativity and imagination. Today, with its announcement, the University of Alberta in committing these funds for the support of research in fine arts, humanities and social sciences - in addition to their trail blazing support of sciences - is showing the way." ■

folio

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President calls for provincial arts-oriented research endowment

Makes case before influential audience

By **Richard Cairney**

University of Alberta President Indira Samarasekera told community, business and government leaders that it's time Alberta established an endowment to fund research into the social sciences, fine arts and humanities.

"Nobody remembers the Italian Renaissance for its GDP," Samarasekera told an audience of 250 people at the university's annual Board Breakfast April 19. "In our day we can certainly calculate the 16th-century Italian GDP. But what is it we remember? I remember the brilliant cultural growth that was led by the Medicis and other leaders of the Italian Renaissance who were, in essence, simply engaged citizens with a vision for the future."

"I feel the same vision here today in our great city from you, our engaged and visionary citizens," she added. "I believe we have an unprecedented opportunity to invest today's prosperity for posterity."

Edmonton Mayor Stephen Mandel alluded to the same things, referring to the University of Alberta as a "mirror" and an "engine" that helps drive the city, where much of the city's potential is created and stored.

Samarasekera and Mandel took the stage at the early-morning breakfast, dubbed 'Great University, Great City.' Jim Edwards, chair of the U of A board of governors, and university Chancellor Eric Newell also shared stories of the university and city's successes with a packed



President Indira Samarasekera

Macdonald Hotel ballroom crowd.

Samarasekera outlined the university's Dare to Discover vision, a plan to build upon four cornerstone themes of talented people; learning, discovery and citizenship; connecting communities; and transformative organization and support.

Samarasekera said that when she first

set foot on campus last year, "at every level, I saw people with talent and ingenuity." Initiatives such as the U of A's new School of Public Health and the China Institute are emblematic of the focus on learning, discovery and citizenship. The university's new presence downtown, at the historic Bay building, exemplifies connecting communities.

Under the heading of transformative organization and support, she added, is not only infrastructure but also financial support. And here she called for the establishment of a new endowment fund.

"Generous and well-managed endowments can provide an inspiring and attractive learning and research environment that help us recruit and retain the very best faculty and students from all over the world," she said.

"I suggest once again that we create a provincial Alberta endowment for the social sciences, humanities and fine arts. Now is not the time for the province to back away from bold, innovative ideas such as this."

The university's goal of being one of the world's top 20 by the year 2020, she said, relies not only on prosperity but also on creativity and ingenuity.

"The elements are in place . . . this is bold ambition, indeed. But it is clearly attainable," she said. "I encourage you, our visionary and engaged citizens, to join me to make it happen." ■

Websites help put faculty on the path to awards

The university redoubles its efforts to ensure it gets the recognition it deserves

By Illeiren Byles

If you've got it, flaunt it. The University of Alberta has established two new websites to help faculty strut their stuff, and to encourage recognition for those who have earned it.

But recognition, in the form of awards or society memberships, don't simply arrive in the mail. Professors, sessional instructors and student teachers regularly rake in awards ranging from the Rutherford Award for Excellence in Undergraduate Teaching to the Order of Canada to, more recently, the Tyler Prize for Environmental Achievement. Each of these honours was preceded by a mountain of paperwork for nominators, says Corinne Callihoo, assistant registrar with the office of academic awards and ceremonies.

"I know some of these applications can be as many as 75 pages long," she said. "Our office was started so that not only would faculty have some help and guidance when it came to dealing with all that paperwork, but also to make sure everyone knows what awards are out there and what

"I know some of these applications can be as many as 75 pages long," she said. "Our office was started so that not only would faculty have some help and guidance when it came to dealing with all that paperwork, but also to make sure everyone knows what awards are out there and what they might be eligible for."

— Corinne Callihoo

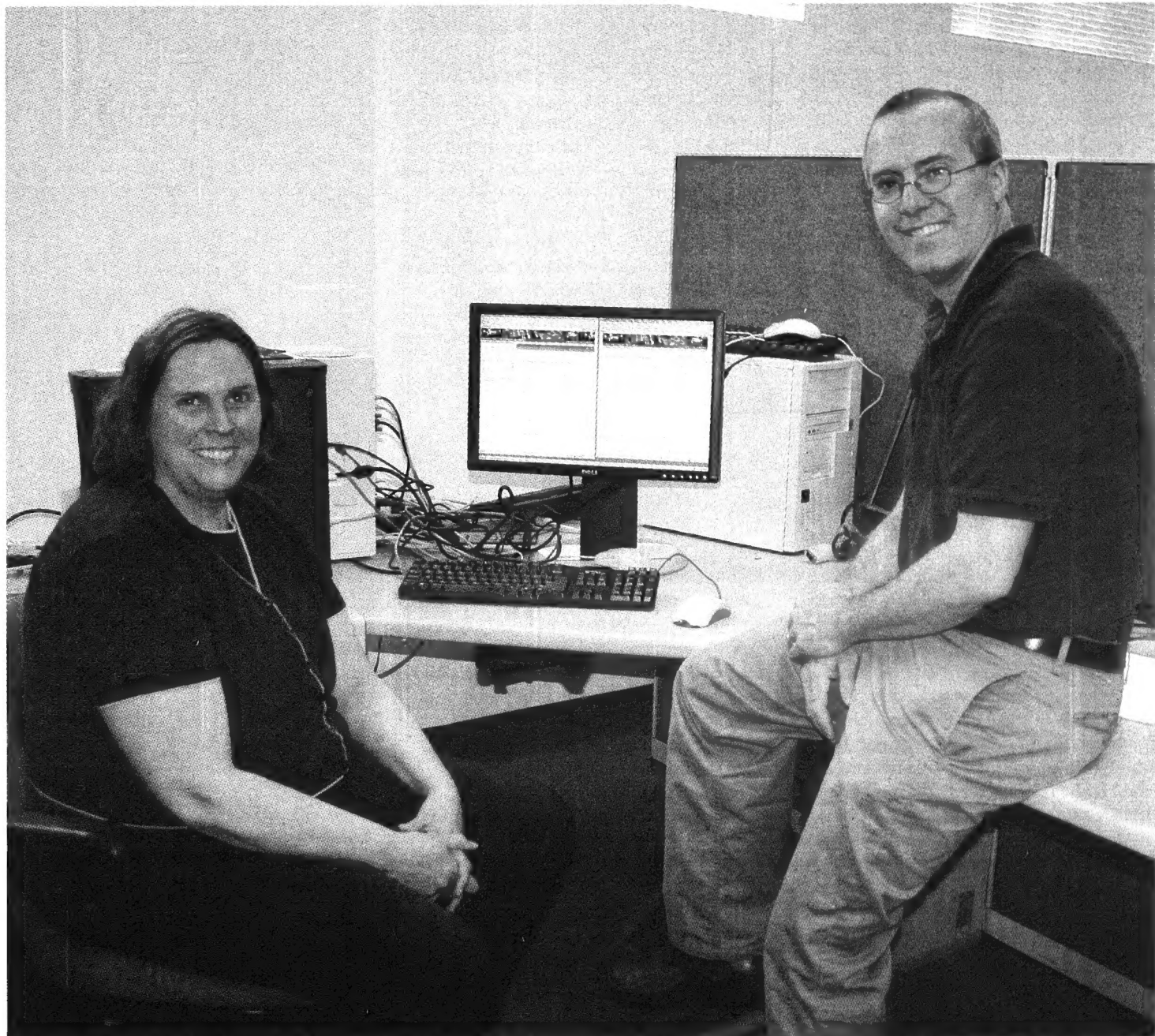
they might be eligible for."

The new sites are designed to assist teachers and researchers at the U of A in finding and applying for the multitude of local, provincial, national and international awards that are available. The site operated by Callihoo's office — <https://gandalf.registrar.ualberta.ca/Awards/html/teachingawards.html> — is aimed primarily at teaching and citizenship awards, but also hosts a list of the U of A's award winners. "We're still adding to that," said Callihoo of the long list of honours. "It's definitely a work in progress."

The site that's maintained by the Vice-President (Research) office — www.uofaweb.ualberta.ca/vpresearch/researchawards.cfm — is geared towards research awards. Mark Dobbeltsteyn's duties with the office of the VP (Research) includes helping nominators navigate the process, "even if I have to call the other side of the world to find out what they need to do," he said. "Some of these nomination procedures can be very convoluted."

He's hoping the websites will increase his workload. "I want to get a lot of phone calls and a lot of e-mail from people who are interested in these awards and interested in honouring their co-workers."

Together, the websites encompass more than 190 research, teaching and citizenship awards. It's important for the U of A to encourage faculty to reach for these honours and to nominate colleagues, said Callihoo. "The idea falls directly under



Corinne Callihoo, assistant registrar with the office of academic awards and ceremonies and Mark Dobbeltsteyn with the VP Research office operate two new websites established to create awareness of honours faculty members may qualify for, and to encourage more nominations to be submitted. The websites are found at www.uofaweb.ualberta.ca/vpresearch/researchawards.cfm and <https://gandalf.registrar.ualberta.ca/Awards/html/teachingawards.html>.

President Indira Samarasekera's four cornerstones," she said. "We're recruiting talented people and making sure their accomplishments are recognized."

Dr. Gary Kachanoski, Vice-President (Research) of the U of A said there are two reasons for wanting to celebrate all the awards that faculty earn.

"We want to get out the accomplishments of our faculty and to encourage the community to continue to nominate outstanding colleagues wherever they deserve to be nominated," he said. "I think we are sort of under-represented in the major awards that we know our faculty can and should be holding, both at the national and international level. Our faculty deserve to stand with the best and the brightest in the world."

President Indira Samarasekera says the initiative to celebrate great achievement is important. "A graduate student originally from Ontario told me the other day that the outstanding calibre of teaching and research at the U of A is 'the

best-kept secret in Canada.' Well, that will change."

That kind of recognition makes a difference to the hard-working teachers and

researchers who make the university the international centre of learning that it is.

"It's amazing to be in this kind of company — I just can't believe it," Dr. David Schindler said last week when he won the Tyler Award for Environmental Achievement.

When 2006 Steacie Fellowship winner Dr. Todd Lowary heard in March that he'd won Canada's top science and engineering research prize, it took a while to sink in. "I'm still in the 'disbelief' stage," he said of the award. "It's quite an honour. I'm looking forward to being able to focus on research over the next two years. The Steacie Fellowship will fund a very fundamental basic science project in my group, which complements a number of the more applied projects ongoing in the lab."

The University of Alberta has professors who are as good as any in North America, said Dr. Carl Amrhein, Provost and Vice-President (Academic). "When they compete for external awards they do very well — evidence David Schindler and two Steacies," he said. "To the professors, these awards mean a great deal. They mean profile, they mean recognition. They mean they're better able to attract students, attract research funds, better able to help recruit young colleagues. To the university, they mean our overall institutional reputation will equal the quality of academic activity that goes on here."

While research awards tend to attract

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— Indira Samarasekera

media attention, awards for teaching and citizenship are just as important to the university's profile, said Amrhein.

"One might argue that within the research community, where recognition accumulates article by article and book by book, the research awards are in addition to all of that," he said. "But if you talk about a professor's function as a public intellectual, a leader of public debate, the impact of these awards is proportionally much, much greater."

"Both are important and we should put a lot of time and energy into them. It is about teaching and research, yes, and they are inseparable. But it's also citizenship, connecting with communities and all that that entails for a university of our calibre." ■

Meteorite's a rock star

Rock holds key to origins of the galaxy

By Ileiren Byles

The University of Alberta is welcoming a very, very old rock star into its hallways. No, it's not Keith Richards. It is, perhaps, the most important rock on the face of the Earth.

The Tagish Lake meteorite is the only one of its kind known to exist on Earth, and may contain insights into the beginnings of our solar system, said Dr. Christopher Herd, a professor in the U of A Department of Earth and Atmospheric Sciences. Because the space-born rock fell on the frozen surface of a northern B.C. lake in the middle of January and was collected without being touched by human hands, it represents the most pristine sample of minerals from outer space.

"No other meteorite's ever been collected in this manner and I suppose that arguably makes it the most important rock that's ever been found anywhere on the Earth," said Herd. "It can tell us new information about the birth and evolution of our solar system, and the very fact that it's been kept frozen, essentially pristine, uncontaminated by human hands, gives us an unprecedented opportunity to explore new scientific avenues that were heretofore impossible. We can do things with this meteorite that nobody's ever done before."

The Tagish Lake meteorite is being carefully stored in sub-zero conditions in the U of A's meteorite collection and has never been in temperatures above freezing. It was formed in space, protected from the heat of re-entry by a crust of minerals, and landed during a northern Canadian winter.

"What that means is that we can look for minerals in there that are not normally preserved under normal circumstances, where they're collected above freezing," said Herd. "It has actually been reported that for some of these meteorites, when they're warmed up, you actually can smell kind of sulphurous smells or metallic smells as the volatile components are kind of de-gassing. So, it gives us an opportunity to look at this when those volatile com-

ponents are still there. It even provides us the opportunity to look for extraterrestrial ices. I mean, who knows whether they're there, but we can look because of the way this thing's been collected."

The other thing that makes this meteorite so special is its composition. It's an extremely rare type of formation that has preserved the goings-on of more than 4.57 billion years ago. Of all the meteorites that fall to Earth, only two or three per cent are of the same category as the Tagish Lake stone, said Herd.

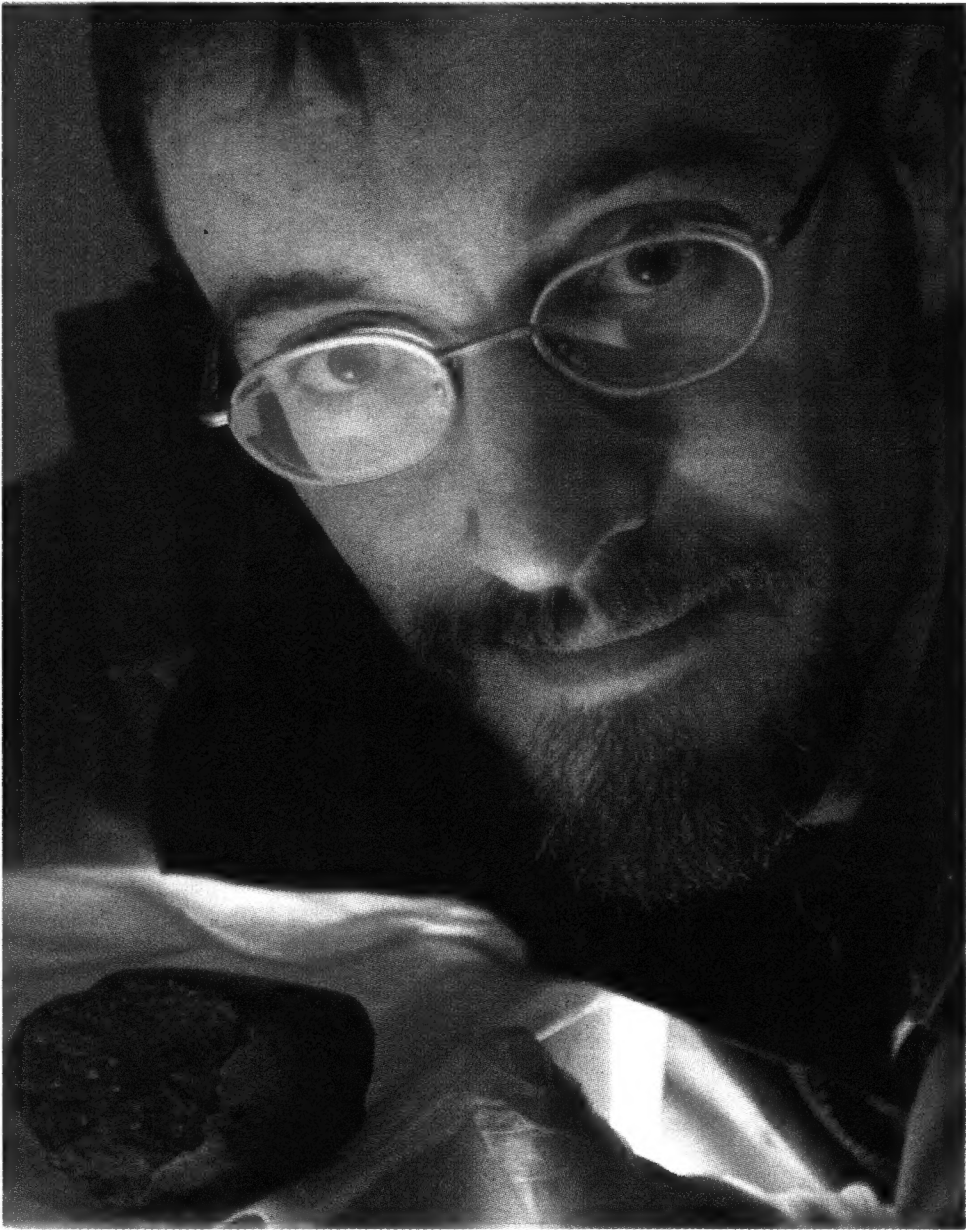
"The meteorite is a carbonaceous chondrite, which is quite a rare type of meteorite. These meteorites represent the left-over material from the formation of the solar system," he said. "This is in the broader context for the theories that we have for the formation of the solar system, which is that the planets formed from a rotating disk of dust and gas around the early sun. So, this material is left over from that. It's basically a sampling of the dust and gas that were present in that disk before the planets started to form."

The meteorite came to the U of A through a partnership between the university, Canadian Heritage, the Royal Ontario Museum, Natural Resources Canada and the Canadian Space Agency.

"We are also very fortunate to have a group of very passionate and dedicated scientists who have worked on this project for many years to ensure that it comes to this institution as well as the others," said Janine Andrews, executive director of the University of Alberta Department of Museums and Collections Services.

For Herd, this is the something he's been waiting a long time for.

"Shortly after I started here three years ago, I thought this would be a great meteorite to have because of its scientific value. It also fell in Canadian territory. It's a Canadian meteorite and it really needed to be in a Canadian institution in order to maximize the science and to demonstrate that



Dr. Chris Herd takes a close look at the Tagish Lake meteorite.

we could do great science on this," he said.

"So, it means a lot. I'm not going to do everything; I can't do everything on this. It will be a matter of setting up a research consortium with other researchers

across Canada, with input from researchers around the world, who are all eager to work on this as well - to really tease out as much as we can about the formation of the solar system." ■

They've seen the future, and it's downloadable

Students' podcast firm earns VenturePrize award

By Ileiren Byles

A couple of University of Alberta students are starting to hear the sweet sounds of success.

The business world has been tuning in to Mack Male and Dickson Wong ever since the duo's innovative podcast technology earned a place in the VenturePrize finals.

"I guess you could say this kind of propelled us into the spotlight," said Wong. "It's been a real good learning experience. I feel like we're much more prepared now that we know the business inside-out, whereas before it was kind of plan-as-we-go. Obviously the media attention isn't bad either. We've had some interested investors contact us, so that's some good news."

Wong and Male created Paramagnus Developments Inc. to help market the tools they've developed. "We're working on software tools for podcasting," said Wong, who's earning his degree in software engineering. Male will graduate from computer sciences next year.

"The idea came about two years ago," said Wong. "Mack had started his own podcasting site, where he podcasted technology news. He found it difficult and recognized a business opportunity to make some software tools and just make it easier for everyone to do it."

The applications being produced by Paramagnus include services for the creators and listeners, said Wong. "For the creator, we have an application called Podcast Wizard, which you would download and run on your computer. It basically

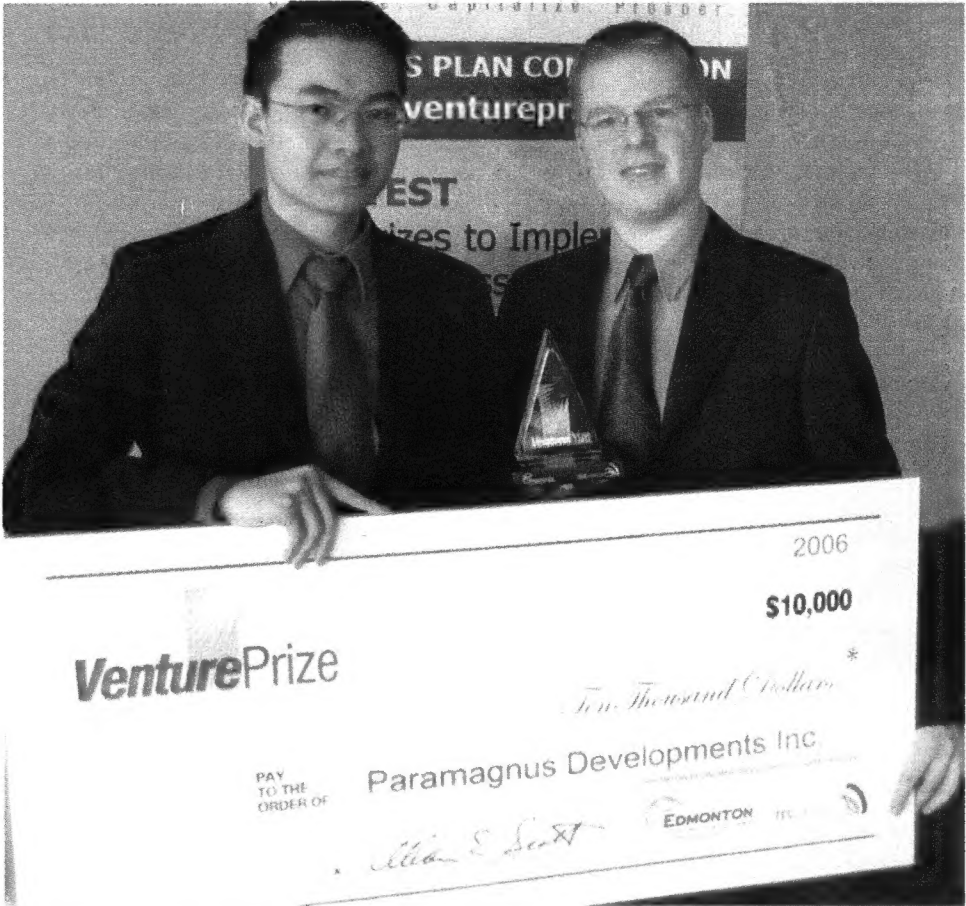
allows you to push a button, hit record, start recording, add notes and then upload to the Internet."

Paramagnus also provides a subscription-based podcast hosting service, called Podcast Spot and a directory service and Windows application to help listeners download and manage their podcasts.

"Ever since September 2004, we've been working on the products. It just so happened that I was taking a business plan course last semester and we found out about the VenturePrize competition and decided to enter," said Wong.

VenturePrize is a program of TEC Edmonton, a joint venture of EEDC and the University of Alberta. VenturePrize assists aspiring entrepreneurs to transform high-growth ideas into solid business plan. The program has four main goals: to assist in small business development; to build stronger ties between established business leaders and start-up businesses; to enhance the entrepreneurial culture; and to support the development of high-growth businesses, especially emerging technology based firms.

Being finalists for VenturePrize earned Male and Wong \$30,000 - \$10,000 cash and \$20,000 in services such as legal and accounting expertise. But investment in their endeavour has already dwarfed that amount. It took \$100,000 to get started, and they predict they'll have to spend another \$400,000 to work out the bugs and have a product ready for users. They plan to



Students Dickson Wong and Mack Male accept their VenturePrize cash.

launch their suite of applications and website on May 15 at the Mesh Conference in Toronto.

And since they expect their service

to become popular fairly quickly, they're already planning to expand. They're predicting their business will bring in \$55 million in gross profits by 2010. ■

Gift will improve care for transplant patients

Continuing work in helping fight organ rejection

By Michael Robb

Roche Molecular Diagnostics and Roche Pharmaceuticals are contributing substantial in-kind and financial support to researchers at the University of Alberta to back the work of the Genome Canada/Genome Alberta Project in Transplantation and the newly created Alberta Transplant Applied Genomics Centre.

The funding and in-kind support valued at almost \$2 million will support and extend the Genome Alberta Project in transplantation, led by Dr. Philip Halloran at the University of Alberta. The collaborative University of Alberta and Capital Health project is “aimed at developing new diagnostic tests in organ transplantation and to apply these to patients to improve transplant outcomes and care,” said Halloran, Canada Research Chair in Transplant Immunology and director of the Alberta Transplant Institute.

“Roche’s research and development in the area of transplantation has led to major breakthroughs in reducing the risk of rejection for patients receiving transplants,” said Ronnie Miller, president and CEO of Hoffmann-La Roche Canada. “Since introducing its first product to market, Roche has continued to build on this success to deliver a comprehensive portfolio of leading treatments for both short and long-term treatment. Roche is committed to improving the long-term outcomes of transplantation and enhancing the quality of life for all transplant recipients. This is just another example of our support and dedication to the future of transplantation and we are happy to be able to partner with the University of Alberta and Genome Alberta on this initiative.”

An extension of the Genome Alberta project, the Alberta Transplant Applied Genomics Centre is devoted to finding ways of helping transplant patients fight organ rejection.

Researchers with the centre are studying kidney transplant patients to develop a better understanding of transplant disease mechanisms and rejection. “This will help us develop tools for diagnosis, monitor-

“This will help us develop tools for diagnosis, monitoring, clinical trials and drugs for all types of organ transplants.”

– Philip Halloran

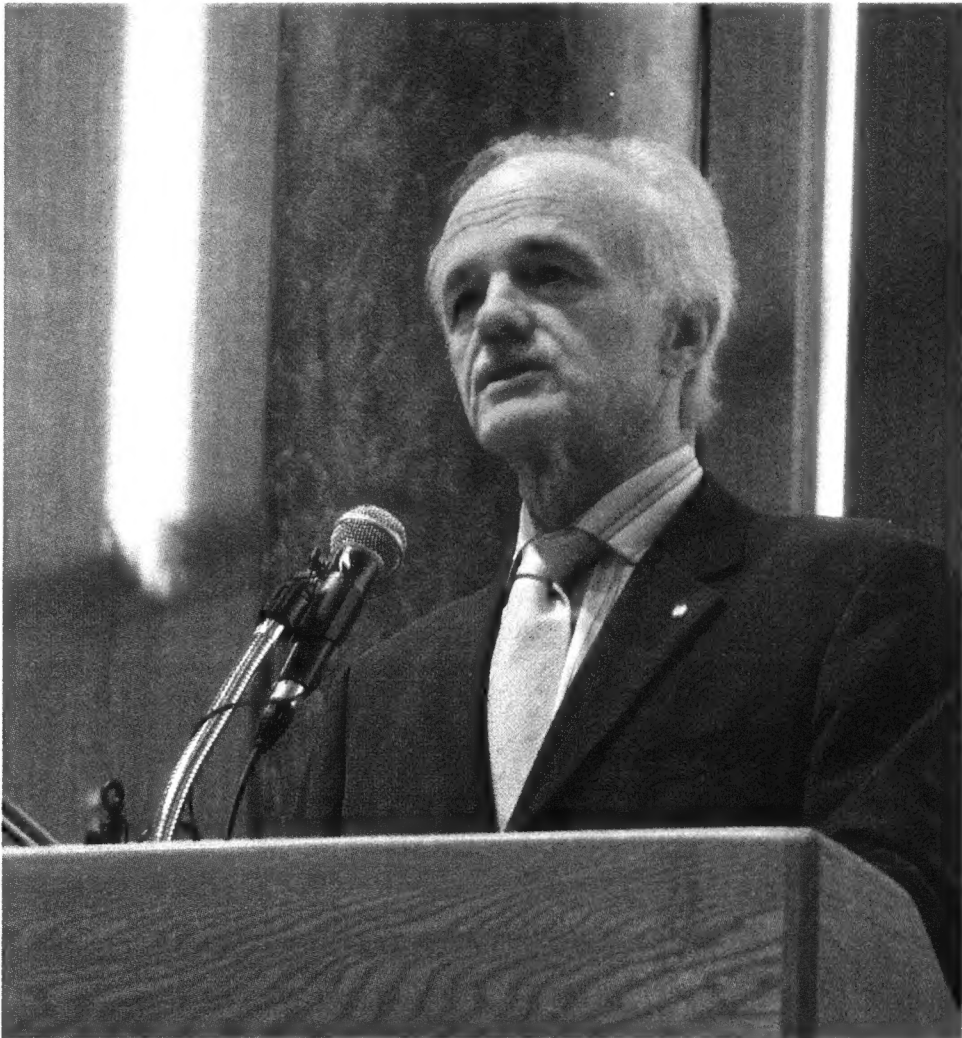
ing, clinical trials and drugs for all types of organ transplants,” said Halloran. One day, say the researchers, these tools may help physicians better monitor transplant patients’ responses to anti-rejection drugs, and in turn allow physicians to tailor the choice of drug and its dose to each patient’s needs.

“This project demonstrates how Alberta’s reputation for medical research excellence attracts international life sciences and health care companies to invest here,” said Alberta Innovation and Science Minister Victor Doerksen earlier this spring, when the Alberta Government announced \$1 million in support for the work.

“This investment in technology commercialization will ensure that the benefits of investments in research, technology and innovation, such as jobs, businesses and economic growth, stay in Alberta,” said Doerksen.

“Building on a tradition of pioneering research, Dr. Halloran’s work is harnessing the power of technology to understand the way genes behave when transplants are rejected,” said Michele Lahey, executive vice president and chief operating officer, Health Services, Capital Health. “His work will improve the quality of life for Capital Health’s organ transplant patients and will build on our strength as a leading Canadian transplant centre.”

Roche Molecular Diagnostics is providing the gene expression analysis technology for use in the study and Roche Pharmaceuticals is contributing an unrestricted grant towards this multi-million dollar project. Genome Alberta and Alberta



Dr. Philip Halloran Canada Research Chair in Transplant Immunology, says contributions by Roche Pharmaceuticals will help increase transplant success rates.

“Building on a tradition of pioneering research, Dr. Halloran’s work is harnessing the power of technology to understand the way genes behave when transplants are rejected.”

– Michele Lahey

Innovation and Science are each providing funds and the University of Alberta is contributing funds, work space and resources. The project is also supported with a \$1 million contribution from the University of Alberta Hospital Foundation.

The researchers are hopeful the work will lead to the commercialization of new diagnostic technologies and the creation of a spinoff company in Alberta that will process the diagnostics. ■

Donation upgrades learning environment

Gift is largest-ever from a law firm

A \$500,000 gift will help alleviate some chaotic moments at the University of Alberta Faculty of Law.

“Every morning at 9:30, you can witness an unseemly spectacle - 78 law students battling it out for four electric outlets to plug in their laptops,” chuckled David Percy, Dean of the faculty. “These classrooms were state of the art in 1972, but it’s time to upgrade.”

The donation, half of a \$1 million gift from Fraser Milner Casgrain LLP (FMC) to the U of A and the University of Calgary, is the largest single donation from a law firm ever made to the U of A Faculty of Law.

“These funds will help us create ‘smart’ classrooms and new scholarships that will assist us in continuing to attract the best students from across Canada,” said Percy. “I’m pleased about the leadership FMC is showing through this donation.”

The law faculties at each university will receive \$500,000, breaking a law firm donation record at the U of A and assisting with building an energy and resources law program at the U of C.

“It is important to support our Alberta law schools. Our donation to the U of A law school helps ensure that the U of A can attract the most promising students and that future lawyers receive the best legal education,” says Barry Zalmanowitz, man-

“It is important to support our Alberta law schools. Our donation to the U of A law school helps ensure that the U of A can attract the most promising students and that future lawyers receive the best legal education.”

– Barry Zalmanowitz

aging partner, FMC Edmonton. “Our donation reflects our belief that the professional and business community must support our educational institutions and help them develop the leaders of tomorrow.”

Quincy Smith, Q.C., managing partner of FMC Calgary and a U of A alumnus, also attended the event. “FMC is proud to provide continued support to both of our province’s universities through this donation and our sponsorship of other law school activities like law prizes and student competitions,” added Smith. “It demonstrates our firm’s commitment to advanced education in Alberta.” ■



Faculty of Law Dean David Percy thanks Fraser Milner Casgrain for a donation to upgrade classroom facilities.

Honouring our finest athletes

Sports Wall of Fame inducts new members

The University of Alberta is naming three outstanding athletes and community members to its Sports Wall of Fame. Every year, the honour is bestowed upon alumni who contributed to sporting success as students and who have equally excelled in community service. The Sports Wall of Fame dinner is held May 11, 5-9 p.m. at the Shaw Conference Centre. Tickets \$150 each or \$1,500 for a table of 10. For more information call 492-3893 or visit: <http://www.bears.ualberta.ca/?pt=content&ID=33616&parent=1069>

DON SPRING BCOMM (1981)

Don Spring began a brilliant hockey career as a youth pursuing the Canadian dream – to make it to the NHL. He achieved his dream and along the way he has left a legacy of success stories. While a student in Edson's Parkland Composite High School he actively competed in volleyball and swimming. Hockey was his first and greatest love and by the age of 16 he was a star on Edson's Junior B hockey team. At 17 he became one of the youngest players ever to play for the University of Alberta's Golden Bears.

During Spring's seasons as Bears defenceman (1976-1979) the team won three consecutive Canada West championships and competed in three national CIAU finals. The teams captured the silver medal in his first season and gold medals in each of his last two – a rare accomplishment. All who watched his superb defensive play, including those charged with the selection of all-star teams, recognized Spring's all-round excellence. Spring was singled out for berths on the CIAU All-Star team in 1978 as well as on Canada West 2nd All-Star teams in 1977-1978 and 1978-1979. During his final season as a Golden Bear, Spring and his teammates were selected to represent Canada at the Pacific Rim tournament in Japan. They completed the tournament on the gold medal podium – a fitting international tribute to an outstanding team.

Spring (and four other Golden Bear stars) was named to Canada's 1980 Olympic hockey team.

Spring signed as a free agent with the Winnipeg Jets of the NHL in the spring of 1980. He joined the Jets for the 1980-1981 season and continued with them until 1984. He completed his professional hockey career with the ESC Essen (West Germany) Elite League hockey team in 1985 and returned to Canada to join Clare Drake's Golden Bears as an assistant coach.

Throughout his career Spring has served the Golden Bear Hockey program in many ways – as a hockey school instructor/co-ordinator, as an instructor at the Professional Hockey Conditioning Camps and as an active Golden Bear Alumni volunteer. In 1987 the Golden Bears won the right to represent Canada in the World Students Games (held in Czechoslovakia) and Spring accompanied the team as Clare Drake's assistant. The team was the only non-All-Star team in the tournament and still finished with a bronze medal.

Spring joined Amoco as an Analyst in 1985 then moved to Petro-Canada as a Business Manager in 1987. In 1988 Don joined the host of volunteers who helped staff the 1988 world acclaimed Calgary Olympic Games by visiting schools in the Edmonton area to share his Olympic experience.

He has coached (and currently is coaching his son, Eric, at the AAA Peewee level); he has served as a minor hockey division co-ordinator, and been a major organizer of minor hockey tournaments. Truly hockey has played a major part in his life and today he shares his love of the sport with the youths who fill the rosters on his teams.

In 1999 Don, his wife Carol (whom he met at the University of Alberta) and their three children, Michael (14), Eric (12), and Lauren (10) moved to Kelowna where he is the owner and President of Spring Fuel Distributors Inc.

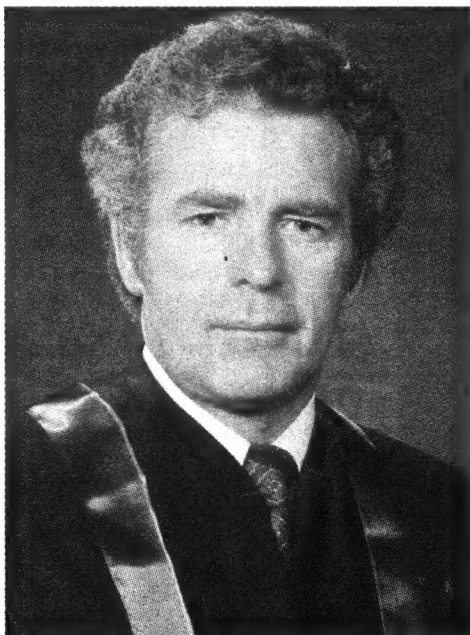
JOHN DEWAR BED (PED) (1955; MA (OHIO STATE, 1960); EDD (FLORIDA STATE, 1965)

A native Albertan, John Dewar spent his youth in small communities throughout the province before moving to Calgary and subsequently to Edmonton, where he attended St. Anthony's College. During the Great Depression, entertainment had to be self-created. Sports were always favourite pastimes. It is not surprising, therefore, that Dewar developed an abiding love for games of all types. By the time he arrived at St. Anthony's Dewar was highly motivated in basketball, baseball, and hockey. The opportunity to play on the University of Alberta's Golden Bears basketball team was part of the lure of the U of A and Dewar enrolled in the Physical Education degree program in 1951.

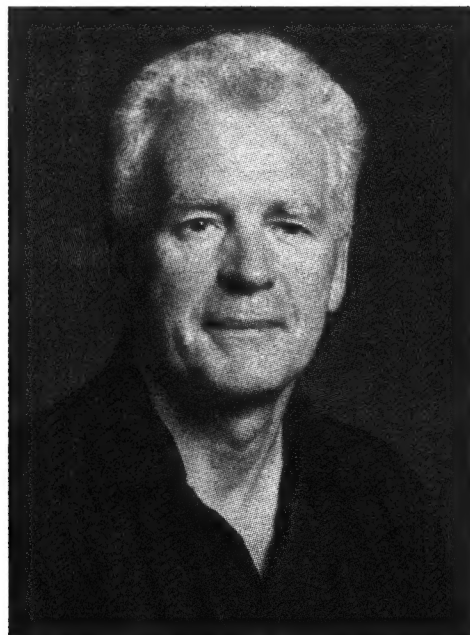
During his playing career Dewar emerged as an outstanding team member of the Golden Bears and by his final year he was selected as co-captain. Canadian basketball was highly competitive during the 1950s both at the university and the Senior "A" levels. The Bears of Dewar's era competed strongly in both divisions. In 1951-1952 they won the Western Canada University title but lost the Canadian championship final. The next season, playing in the Canadian Amateur Basketball Association championships, the Bears lost in the finals to the powerful Toronto Tri-Bells. His excellent play and team leadership won Dewar national recognition and the University's Big Block Award.

After graduation Dewar accepted a position as the Physical Education Program director at Regina's Scott Collegiate Institute and from 1955-1959 was a teacher, an administrator and a player for the Sr. A Regina Crescents. His team captured three consecutive provincial titles during his tenure. Dewar also played with the Saskatoon Regals Sr. A basketball team and in 1959 he moved to Calgary to assume the position as supervisor of physical education for the Calgary Separate School Board. On several occasions Dewar was drafted by the Sr. A Lethbridge Broders to strengthen their squad for key competitions. His playing career, however, was near an end; Dewar was joining the ranks of leading national coaches. In 1960-1961 he was the head coach of the University of Saskatchewan Huskies and following a year off the courts to begin a graduate program at Florida State, assumed the head coaching position at the University of Alberta (Calgary Campus – UAC) from 1962-1966. Under his leadership, the Dinosaurs emerged as a contender at the national level. Dewar's Dinosaurs won the silver medal at the 1966 CIAU championships.

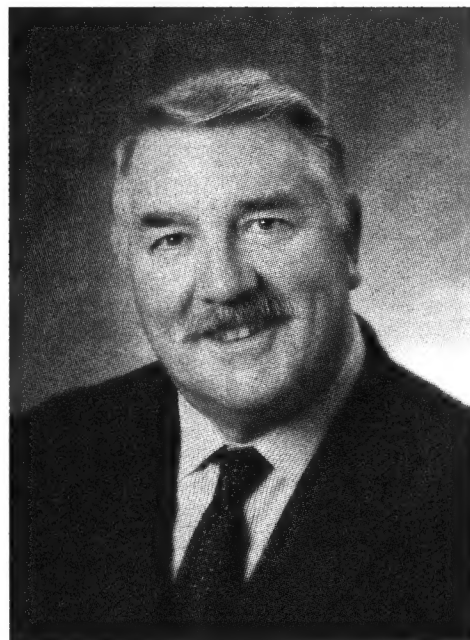
From 1967-1969 Dewar served as director of Physical Education at St. Francis Xavier University. In 1969 he moved to Sudbury, Ontario, and became the Dean of the Division of Physical Education at Laurentian University, where he initiated the first Sport Administration degree program in Canada. In 1977 he was selected as Dean of the College of Physical Education at the University of Saskatchewan. He continued in this role until 1985. With reduced administrative responsibilities he returned to his first love – basketball. He became a volunteer coach and chief administrator of the Saskatchewan Wheelchair Basketball team (1987-1992) and then the coach/co-ordinator for the Saskatchewan First Nations basketball teams that competed



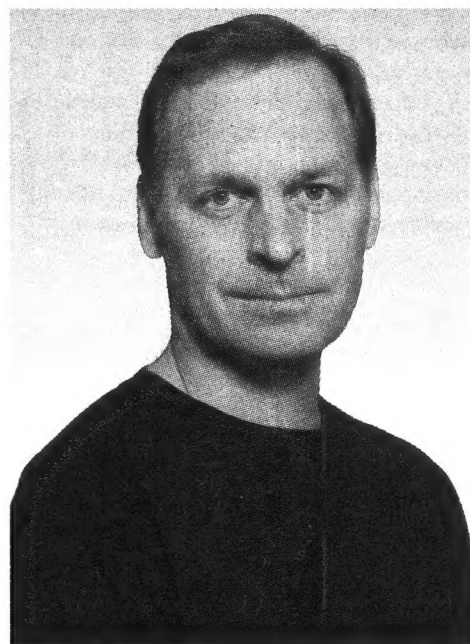
John Dewar



David Reid



Don Spring



Sandy Wright



Continued on Page 7

University appoints new external relations VP

Sandra Conn departs MSU for Edmonton

By Sandra Halme

The University of Alberta is welcoming a new face to the team that presents the university's face to the rest of the world. Sandra Conn has been named Vice-President, External Relations, effective July 1. She currently serves as assistant vice-president for university relations at Michigan State University (MSU). Conn will direct the U of A's efforts in marketing and media relations, government relations, alumni relations and development.

"At a time when the University of Alberta is experiencing tremendous growth in its impact and aspirations, Sandra brings to our senior administrative team a wealth of experience in moving the identity and image of major universities forward," said University of Alberta President Indira Samarasekera. "She has a vision of how we can ensure that our reputation and visibility keep pace with the reality of our accomplishments."

In her position at MSU, Conn directed the branding initiative that positioned the university to achieve its goals for a \$1.2-billion capital campaign, a 150th anniversary celebration and undergraduate and graduate student recruiting. She also assisted individual colleges within the university in developing branding campaigns under the MSU brand, enhancing their success in advancing academic reputations, alumni involvement and development efforts.

Prior to her work at MSU, Conn held several senior administrative positions at Indiana University (IU) where she developed a branding campaign for the state-wide system of eight campuses and managed a variety of marketing and com-

"At a time when the University of Alberta is experiencing tremendous growth in its impact and aspirations, Sandra brings to our senior administrative team a wealth of experience in moving the identity and image of major universities forward. She has a vision of how we can ensure that our reputation and visibility keep pace with the reality of our accomplishments."

— Indira Samarasekera

munications initiatives throughout the system. Earlier, Conn was president and CEO of a full-service marketing communications firm in Chicago, which she sold in 1994 to assume the job at IU. She also has extensive university teaching experience and served as J. Stewart Riley Professor in the School of Journalism at IU and, early in her career, taught English and humanities at the University of Louisville, Northwestern University and in the University of Wisconsin system.

Conn's expertise has been recognized with awards from the Council for Advancement and Support of Education and other communications, marketing and advertising associations in the U.S.

"I am excited to come to Edmonton to work with President Samarasekera and the senior administrative team and help



Sandra Conn, currently serving as assistant vice-president for university relations at Michigan State University, begins her term as Vice-President (External Relations) at the U of A July 1.

the University of Alberta position itself to achieve its vision for the 21st century," said Conn. "It is an honour for me to have been selected for this position, and I look forward to working with the entire external relations team." ■

Honouring our finest athletes

Continued from Page 6

in the North American Indigenous Games (1992-1996). From 1992 - 1998 he served as an advisor to the Saskatchewan First Nations Sports Hall of Fame. His legacy in these fields lives on today. Upon retirement he was named Professor Emeritus.

The University of Alberta is proud to add his name to the Sports Wall of Fame.

SANDY WRIGHT (NEE KIRSTEIN) BED (1964)

It has been said that a person can always find the time and the energy to do something if they are truly motivated to accept a challenge. Sandy Wright has accepted challenges all of her life. Added to her drive to participate in sports was her outstanding athletic talent. Basketball, golf, swimming and diving, and curling – Wright excelled in them all. Her fine play won her a place on the Panda basketball team in her freshman year and over the course of the next four years Wright proved to be a superb player, helping lead the Pandas to co-championships in the Western Canada Intercollegiate Athletic Association (WCIAA) in 1961-62 and 1962-63. The calibre of play of her Pandas also enabled them to win the Edmonton City Ladies Basketball championship in 1962, 1963 and 1964. In recognition of her strong leadership qualities, Wright was selected as the Pandas co-captain.

Wright, in addition to her major contributions to the Panda basketball program, made time to compete as a member of the University's Women's/Men's Golf team in 1960-1961, 1962-1963, and 1963-64. During her freshman year she also won a spot on the Panda Diving team. Little wonder that she was the winner of a Women's Athletic Association Major Athletic award in 1963 and the winner of the Bakewell Trophy in 1964 (awarded annually to the university's most outstanding female athlete).

In addition to her commitments to Panda athletics, Wright also contributed

to student government on the campus. She was elected president of the Women's Athletic Association (WAA), which also involved serving on the University Athletic Board and the Students' Union. She also won the University's WAA Major Executive Award.

After graduation Wright entered the teaching profession but she continued her love affair with sport. She joined the Jasperettes Senior Ladies Basketball team and during the 1964-1965 season helped them to win a provincial championship and a fourth-place national finish. Her team won the provincial championship again in 1967, with it the right to represent Alberta at the first Canada Winter Games.

Wright was a talented golfer, playing at a championship level. Her commitment to golf lead her to an 18-year involvement as the volunteer director of the Junior Golf Program at the Black Bull Golf Resort. Every summer she organized programs and personally taught youngsters the fundamentals of golf. She imbued in them the love of sport and the joy of effort.

Curling occupied her winter months. In 1979 her Royal Glenora Ladies team represented the Edmonton area in the Northern Alberta championships. She next joined with teammates at the Balmoral Curling Club. Her new team became club and city champions in 1981 and Northern Alberta Ladies Curling Association Bonspiel champions in 1982.

As a teacher with the Edmonton Public Schools for 30 years, Wright held positions at Victoria Composite, Jasper Place Composite, M.E. LaZerte and the Bennett Centre.

Wright has been inducted into the Wetaskiwin Sports Hall of Fame and has added immeasurably to the healthy, active lives of thousands of students. Her name brings honour to the University of Alberta's Sports Wall of Fame.

DAVID C. REID BPT (1970); MD (1974); MCH [SURG.] (U OF LIVERPOOL, 1980); DIP. P.T. (U OF TORONTO, 1968); DIP. SPORTS MED (CASM); MCPA; FRCSC

Dr. David Reid is a talented man. Early in life he made his mark as an excellent soccer player and weight lifter. On his arrival at the University of Alberta he won a spot on the Golden Bears Soccer team (1968-1970). From the start, his career was based around the application of his research, scientific and professional knowledge to the care of those individuals traumatized by sports-related injuries. He is one of Canada's finest experts in the sports medicine and orthopaedic surgery.

Educated in England and Canada, Reid completed a diploma in Physiotherapy and degrees with distinction in Physiotherapy and Medicine. In 1978 he was named the Canadian Orthopaedic Association's North American Travelling Fellow and the following year received a Fellowship from the Royal College of Surgeons of Canada and certification as a specialist in Orthopaedic Surgery. Subsequently he was awarded the Lord Nuffield Scholar in Orthopaedics from Oxford University and, in 1980, the University of Liverpool conferred on him a Master of Surgery degree.

It was his abiding love of sport, however, that kept Reid linked closely to the world of athletics. From 1964 onward he consistently and generously dedicated a substantial part of his professional life to student athletes who participated in programs at the University of Alberta. He served as a physiotherapist, team doctor, orthopaedic surgeon and consultant to most of the university athletic programs. Reid was our university's first Sports Medicine scholar/practitioner. Reid was instrumental in establishing the initial degree program in physiotherapy at the U of A. He founded the Canadian Physiotherapy Association's Sports Therapy Division. In 1987 he co-founded

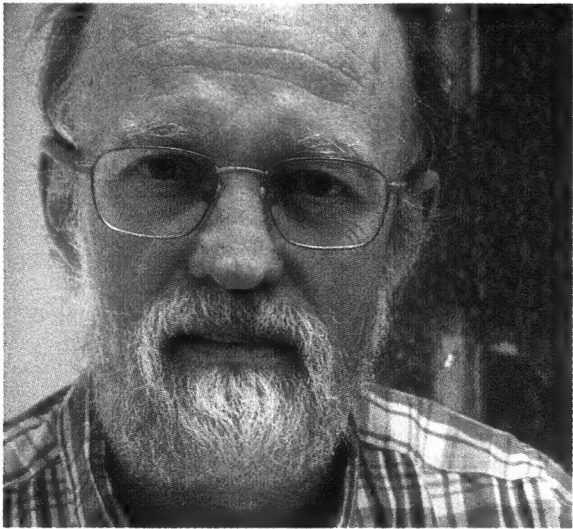
the Glen Sather Sports Medicine Clinic and he was named its first and, to date, only director.

During his career Reid has been the team physician for most of the Golden Bear and Panda teams. He has carried out duties as team physician for Alberta's Winter Games, Alberta's Youth Soccer team, Team Canada at the 1998 World Hockey Championships, as chief physician for the Canada Winter Games (1975) and as Chief of Medical Operations for the 2001 World Championships in Athletics. He has served as orthopaedic consultant for the World Cup Wrestling Championships, the World Figure Skating Championships, the World Junior Men's Basketball Championships as well as the Alberta Ballet Company, the Canadian Synchronized Swimming Olympic team, the Edmonton Oilers and the Edmonton Eskimos.

Reid was one of the initiators of the Carnival of Champions, which helped to support such organizations as Kids with Cancer, the U of A Burn Unit, and STARS Emergency Medical Transport teams. He serves on the Board of the Oilers Community Foundation that focuses on youth, education and wellness.

Never inclined to a quiet life, Reid, his wife Kaye and their children are now involved with a family venture – raising Alberta-bred racehorses. Reid is a longstanding member of the Board of Directors of the Horsemen's Benevolent and Protective Association and is chair and CEO of Horse Racing Alberta. He has recently been granted the prestigious Cam Fella Award and the Horse Industry Association of Alberta's Distinguished Service Award.

Scholar, award winning teacher, author of numerous books, articles and publications, physiotherapist, physician and surgeon, innovator, philanthropist, Reid's talents have been recognized with 30 plus awards. The University of Alberta is proud to name him to the Sports Wall of Fame. ■



Richard Cairney



The bee's knees

Bee wrangler Gerald Hilchie is fascinated by his hard-working bees

By Tom Murray

As personal hobbies go it's certainly not one for the squeamish.

Gerald Hilchie first got an inkling of the pleasures of beekeeping – or apiculture – when he was hanging at the back of a church in Calgary. "I was part of a church youth group and just happened to spy this guy playing around with a hive in his backyard," he recounts. Careless of proprieties or potential danger, the 14-year-old Hiltchie hopped the fence and was gazing over the man's shoulder in a heartbeat.

"He was in his bee suit while I was in my shorts and T-shirt, seeing what the heck he was up to."

Luckily for Hilchie his chosen mentor, a hobby beekeeper who had decided to bring one of the hives into the city to save himself a trip to the countryside, wasn't bothered by this unexpected attention. He generously allowed the budding entomologist to hang around while he dealt with the business at hand.

"This was just wonderful to me – he was dumping bees, and had hives in his backyard. I was in there like a dirty shirt.

He was friendly about it; I got to know him, and he helped me get going on my own hives."

That early assist pointed the way to Hilchie's current position at the University of Alberta – he's now the undergrad laboratory co-ordinator for entomology in the Faculty of Science. He's been keeping bees since his late teens, and even has a demonstration hive at work.

Hilchie is a hobbyist, but beekeeping is traditionally undertaken as a way to harvest the bees' honey, along with other products including pollen, royal jelly, and propolis, touted for their nutritional and medicinal values. In addition, wax from the hive is used in candlemaking, wood polish, and cosmetics. While Hilchie farms his hives for these purposes, it's not the real reason he keeps his apiary (the industry name for the yard where hives are kept).

"I just enjoy the bees," he says simply. "I've been interested in them ever since I was a kid."

Before you ask, he's not unaware of the business side of a bee – it was at his bene-

factor's country farm that Hilchie first got stung. "I was in the bee yard, next thing I knew I was out of the bee yard – and the fence was no obstacle," he says wryly. "It really was no big deal, though. I shrugged it off pretty quickly and got back at it right away."

He got his own bees to care for when he was in his last year of high school. Hilchie's parents seemed to accept the situation with some equanimity – after all, he could have been racing cars or skydiving. "It was an interesting response," he chuckles. "My mother said 'OK – bees are coming home with my son.'"

Their mute assent came later that year when Christmas arrived and he found a bee veil plus a pair of gloves under the tree.

Hilchie now has anywhere from 10 - 15 hives and sells the honey to whoever asks for it. He's had interested observers out to his apiary, especially grad students who want to check out the details of the hive.

While it might seem too early for bees to be buzzing, what with the lack of evi-

dent flowers for them to be checking out, at the moment his tiny charges are actually busy doing what nature intends for them to be doing.

"The bees are working aspen trees, which are dropping pollen at the moment, and also dandelions – right now it's not such a big deal to go to the hives, but come late summer they become defensive. They'll be going great guns until late October."

Bees, of course, are not his only area of interest. A member of the Entomological Society of Alberta and the Alberta Lepidopterists' Guild, Hilchie also has a large collection of other bugs – somewhere between 60 - 80,000 pinned insects, all curated and pinned, with proper labels. He likes to travel across Canada looking for particular specimens, but keeps his hunting to this side of the continent. "World wide it becomes a daunting task – there's more than what I can handle in North America alone. You've got to draw the line somewhere." ■

History prof has a penchant for modern politics

Killam Annual Professor David Marples doesn't shy away from commenting on current events – as a historian

By Caitlin Crawshaw

He frequently has a byline in daily newspapers, but he's not a journalist, or even a political scientist. Dr. David Marples is, in fact, an historian, and his specialty is eastern European politics – specifically, the history of Russia, the Ukraine and Belarus.

"I've always been interested in current events, but from a historian's perspective, and I think it's a unique perspective," he said.

Not everyone, even journalists working in the area, have a good working knowledge of the region's history. "It does allow you a deeper perspective, I think."

For quite some time Marples' career has been linked to modern events. His career really took off after the Chernobyl disaster in 1986.

"When Chernobyl occurred I was probably one of the few people around who'd ever heard of it or even written about it. My academic career really started by writing on Chernobyl, which is a very contemporary topic," he said.

Given how eagerly Marples lends his

academic expertise to the public, perhaps it should come as no surprise that he is one of this year's recipients of the Killam Annual Professorship, which recognizes excellence in academic and public leadership.

"The Killam recognizes your public work," said Marples, adding that he's honoured to be recognized by the award, for which he was nominated by his peers.

Marples is no stranger to recognition, having earned the J. Gordin Kaplan Award for Excellence in Research, the Faculty of Arts Research Prize for full professors, the McCalla Research Professorship and many more. Additionally, he's the author of several books, including *The Collapse of the Soviet Union*, *Motherland: Russia in the Twentieth Century* and *Lenin's Revolution: Russia 1917-1921*.

Currently, he's working on a couple of projects, including a book about how national history has been re-written in Ukraine since the end of Society Period "in particular the Stalin period, which I think is the most repressive one in

"I'm extremely fortunate to be in a situation to be doing something I really like, There's nothing about this job that I don't really like."

– David Marples

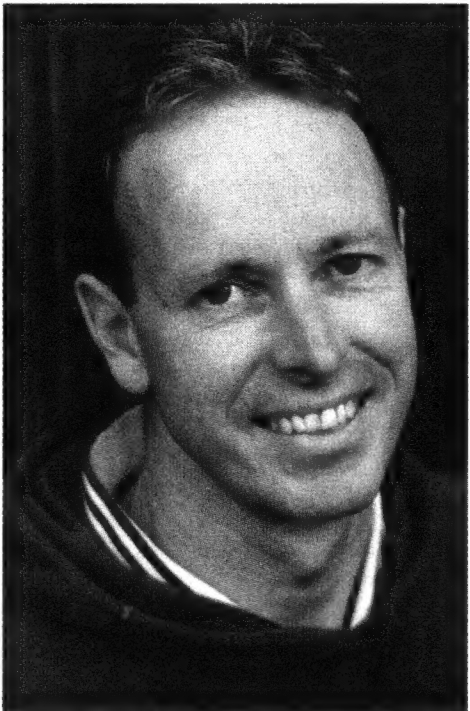
Ukraine's history."

Marples is examining how the history has been re-written from different perspectives, including general discourse, in the media, school text books, and in academia.

He's also working on a book about Belarus, a project that was delayed due to the recent election in Belarus and subsequent political furor.

Ultimately, Marples isn't sure where his career will take him, but considers himself lucky to be a full-time researcher and teacher.

"I'm extremely fortunate to be in a situation to be doing something I really like," he said. "There's nothing about this job that I don't really like." ■



Creative Services

Dr. David Marples.

Schindler earns Tyler Award

Renowned ecologist credits inspirational mentors

By Richard Cairney

A University of Alberta scientist who sounded the alarm on acid rain has been awarded one of the most prestigious international awards for environmental research. Dr. David Schindler has received the Tyler Award for Environmental Achievement.

He joins such luminaries as primatologist Jane Goodall, Sir Richard Doll, who established the link between lung cancer and cigarette smoking, and Nobel Laureates Paul Critzen and Mario Molina.

In a series of landmark experiments conducted during the 1970s and 1980s, Schindler demonstrated that acid rain could begin destroying freshwater lakes at far lower levels than previously thought, and that phosphorus was the major cause of uncontrolled algae growth.

Schindler's findings had a decisive influence in the policy wars over sulfur oxide emissions and phosphorus use and led to a ban on the use of phosphorous in detergents.

Stanford University biological sciences professor Peter Vitousek said Schindler's approach – the fertilization of entire lakes in an Ontario research reserve – provided incorruptible findings.

"Dave Schindler did the right set of experiments... demonstrating beyond any reasonable doubt that phosphorus controls the eutrophication of temperate lakes," Vitousek wrote in a letter supporting Schindler's award.

"Dr. Schindler then took the same approach to the issue of acid rain. Other people did good work on acid rain effects – and some of them spent a great deal more money – but none of them provided such clear, convincing information," Vitousek added.

"His experiments were key to the ban of phosphorus in detergents and to the understanding of the impacts of sulfuric acid in lakes," Wallace Broecker, professor of earth and environmental sciences at Columbia University, wrote in a letter nominating Schindler for the award.

"It's amazing to be in this kind of company – I just can't believe it," said Schindler, who holds the U of A's Killam Memorial Chair in Ecology and is a previous winner of the Gerhard Herzberg Gold Medal for Science and Engineering – the highest honour for Canadian researchers. He is the only Canadian to receive both the Stockholm Water Prize (1991) and the Volvo International Environment Prize (1998).

That Broecker supported Schindler's nomination is of particular note. Schindler refers to Broecker as "probably the greatest oceanographer of the 20th century," and considers him a mentor. Although they worked in different disciplines, the two worked side-by-side at the experimental lakes research station in Ontario.

"I've always found that mentors don't necessarily have to be in your own field," Schindler said. "There is something about the way these people's brains work, that if your brain is on the same wavelength – if you're working on the same problem or not – it gets it channelled in the right direction. It is something about working with someone who has contagious enthusiasm for what they're doing."

The two inspired one another, Schindler said.

"We'd sit there most of the day, most people figured we were just wasting time, but we'd talk and argue about all these different problems and it was tremendous fun. And we had a huge influence on each other, probably more him on me than vice-versa but that was another really amazing experience and another occasion when

Other people did good work on acid rain effects

– and some of them spent a great deal more

money – but none of them provided such dear, convincing information."

– Peter Vitousek

his enthusiasm and his curiosity for what really made things work was just really amazing."

U of A president Indira Samarasekera said that Schindler, in turn, has become a "generous and inspiring" mentor.

"David Schindler's research has had an enormous, profound impact on environmental policy," she said. "Moreover, his extraordinary mentorship of scores of graduate and undergraduate students has inspired a new generation of committed and creative scientists to address other pressing global environmental issues."

"Great minds challenge each other and thrive off of each other," said U of A Dean of Science Dr. Greg Taylor. "When students and academics come here, when the great minds arrive in his lab or group, they are challenged and they thrive on that challenge."

The award, which includes a \$200,000 cash prize and gold medals, will be shared with professor Igor A. Shiklomanov, director of the State Hydrological Institute in St. Petersburg. He is best known for describing the connection between millions of local water withdrawals and the world's water "budget."

Administered by the University of Southern California, the prize was established in 1973 to recognize individuals associated with world-class environmental

accomplishments.

But more important than the award itself, said Schindler, are the opportunities that come with it.

"It isn't the prize that means so much to me – a prize and the publicity mean another chance to speak out on issues that I think are getting insufficient attention," he said. "And one of those, probably my pet project right now, is water quality and quantity in the western Prairies. Every time I think about it I get a knot in my stomach."

Schindler and colleague Bill Donahue recently published a paper on the topic in the *Proceedings of the National Academy of Science*, early online edition. Their research shows that the Canadian prairies are facing an unprecedented water crisis due to a combination of climate warming, increased human activity and historic drought.

They discovered the 20th century was probably the wettest century the region has experienced in the last two millennia, and severe droughts are in fact the norm.

"Probably sometime in the next quarter century we are going to find ourselves in a several-year drought," he said. "We're going to know what water scarcity is all about."

Schindler said the effects could be mitigated to a degree if we cut back on greenhouse gas emissions, protected watersheds and "pull out all the stops" in water conservation.

"We wouldn't suffer much if we cut our water consumption by half, and we could do a lot better than that if we used recycled water for lawns and gardens and flushing toilets and things like they do in water-scarce countries. We just haven't realized that we are a water scarce country."

His recommendations are likely to be taken seriously. His skill as a scientific communicator has earned him influence in the policy arena, according to Karen Kraft



Dr. David Schindler has been awarded the prestigious Tyler Prize for Environmental Achievement. Previous recipients include Nobel laureates Paul Critzen and Mario Molina.

Sloan, a former member of Canada's parliament.

"His words are used time and time again as the highest measure of credibility to educate the public on an issue or to get the attention of parliamentarians and the

government," Sloan wrote, supporting his nomination.

Schindler continues to study the effects of external factors on freshwater bodies, focusing on climate change, alien fish species and cumulative effects of human activities. ■

Congratulations

to this year's recipients of the **Coca-Cola®** Student Achievement Scholarships!

The University of Alberta, the Students' Union and Coca-Cola® are proud to announce that their partnership has generated a total of **\$3,977,276.50** in just seven years of the Exclusive Cold Beverage Agreement.

Sarah Colpitts
Michael Gaultois
Gregory Harlow
Anastasia Kulpa
Yang Li
Shaheed Merani
Mariya Mohamedbhai
Kim Mortreuil
Sean Welling
Carrie Ye

Here is how these funds are reaching students:

Financial Aid	\$1,500,862.10
Student Awards	1,500,862.10
Graduate Studies	333,524.91
Students' Union	398,824.39
Activation Funds	173,203.00
Coke Scholarships	70,000.00
Grand Total	\$3,977,276.50



UNIVERSITY OF ALBERTA

MRIs helping diagnose at-risk babies

Technology has helped develop standards in lung development; helps predict birth conditions

By **Ileiren Byles**

Dr. Radha Chari and Dr. Ravi Bhargava have known six-month-old Taliesin for a long time – almost a whole year.

When Taleisin's mom, Erin Schultz was just a few months pregnant, an ultrasound told her doctors in the rural community of Barrhead that her unborn son had a spot on his lung. Schultz came to the Royal Alexandra Hospital (RAH) in Edmonton for an MRI.

"When your children are on the outside and they fall and hurt their knee, you put a band-aid on and you hug them," said Schultz. "But when they're inside, you really can only pray."

Chari and Bhargava, both professors in the University of Alberta's Faculty of Medicine and Dentistry, have been using MRIs to help parents and doctors prepare for births that have the potential to be troublesome.

"Essentially the MRI allows us to improve our diagnosis in certain situations, providing more accurate information to parents so they can be better prepared for when their child is born," said Chari, director of the maternal fetal medicine and fetal assessment unit at the RAH. "In these cases MRI also helps health professionals to be better prepared to care for the infant after birth. It helps us determine whether we need to involve more specialists, if

the baby can be delivered in the patient's hometown or needs to be delivered at the Royal Alex where specialized neonatal care is available."

The use of fetal MRIs provides more details than an ultrasound, and the MRI technology has helped physicians develop international standards for lung development for 16 - 40 week-old fetuses.

Chari and Bhargava, a radiologist at the RAH, started using the technology several years ago as part of a research study on fetal lung development. The results of their study, including setting the new standards for lung development, were published in *Radiology*, the premier medical journal for radiology. The standards are important because they establish a reference point for normal and abnormal fetal lung development. The study was funded by the Royal Alexandra Hospital Foundation.

"There is no accurate method to clinically assess fetal lung development, and while it is still evolving, this study sets some preliminary standards to use as reference points," said Chari.

During the study, the doctors realized the technology could also be useful in helping provide parents with better information about their baby's health.

"The images are so detailed showing us fetal anatomy more clearly and allowing



Dr. Radha Chari and Dr. Ravi Bhargava, with six-month-old Taliesin Schultz, who has been their patient for nearly a year.

us to provide a better diagnosis in more complicated cases," said Bhargava. "For example, if we notice something in the chest that may be a concern following an ultrasound, it could be one of five things. The MRI can help us to figure out which of the five it is and signals whether we need to be concerned. It's using existing technology to improve diagnosis and our response. We've used it in over 400 cases

with good results."

The results for the Schulz family were good. Just before the end of the pregnancy, Taliesin's spot disappeared.

"The MRI helped to give us some insight and give the doctors some insight so they could be ready to be there for the birth," said Schultz. "It helped me to have the constant contact, it was reassuring. It was a blessing." ■

Older donor hearts just as good, U of A study shows

Could increase donor pool, save more lives

By **Bev Betkowski**

Patients who receive healthy hearts from donors 50 years of age and older appear to fare just as well as patients who receive younger hearts, and that may be good news for potentially expanding a small donor pool, a University of Alberta study has found.

A study published in the March-April 2006 issue of the *Journal of Cardiac Surgery* reviewed the outcomes of using heart donors 50 years of age and older and discovered there were no differences in ICU or

post-operative length of hospital stay, days ventilated, or early-rejection episodes.

The researchers analyzed 338 cardiac adult transplants performed at the University of Alberta Hospital between 1988 and 2002. Of those, 284 patients received hearts from donors under the age of 50 and 54 received hearts aged 50 and older.

Recipients of the older hearts had a greater risk of death within 30 days of surgery, and pre-transplant diabetes also

played a significant role in survival but despite that, long-term outcomes were similar to those of younger hearts. Both sets of patients had similar survival rates: at the end of 10 years, the survival rate for older hearts was 58 per cent versus 59 per cent for patients with younger donor hearts.

The research is good news for patients who will need heart transplants, said one of the study's co-authors, Dr. Shaohua Wang of the U of A's Division of Cardiac Surgery. "As the population ages, it can

be expected that the number of patients requiring transplantations will also increase," he said.

Currently in North America, about 25 per cent of patients waiting for hearts will die each year due to lack of organs. Criteria for organ donations have traditionally been strict and older age has often been used to exclude potential donors, the study noted.

"If we can expand the donor pool by using older donors, we will be able to save more lives," Wang added. ■

talks & events

Submit talks and events to Lorraine Neumayer by 12 p.m. Thursday one week prior to publication. **Folio Talks and Events listings do not accept submissions via fax, mail, e-mail or phone. Please enter events you'd like to appear in Folio and on ExpressNews at: <http://www.uofaweb.ualberta.ca/events/submit.cfm>.** A more comprehensive list of events is available online at www.events.ualberta.ca.

UNTIL NOV 30 2006

Call for Proposals 2006 Annual Conference of the Canadian Society for Bioengineering
Call for presentations and papers for the 2006 Annual Conference of the Canadian Society for Bioengineering, on July 16-19th 2006, in Edmonton, Alberta. The theme of the conference is "Seeing I to I - Integrity and Integration in Bioengineering". Submit your proposal related to bioengineering in: food and bio-products; agricultural production; machinery systems; soil, water, and air; building systems; animal welfare; information technology; waste management and bio-residuals; renewable energy and biofuels; emerging technologies and issues. Submit your proposal by March 15th 2006. Fantasyland Hotel and Conference Centre, West Edmonton Mall, Edmonton, AB. <http://www.bioeng.ca/Events/Edm2006/index.htm>

UNTIL APR 30 2006

Step Out with Chancellor Eric Newell!
Join Carrie Doll and Daryl McIntyre of CTV News, Graham Hicks of the Edmonton SUN, Ted Dakin of Flaman Fitness, and our own Chancellor Eric Newell as they Step Out in support of diabetes research and prevention. These 'Celebrity Steppers' are raising money and awareness in support of diabetes research and prevention initiatives being conducting in the Faculty of Physical Education and Recreation and the Alberta Diabetes Institute. Help support their cause as they challenges themselves to walk 10,000 steps per day, and raise 10,000 per day. You can show your support by pledging steps

at www.afdr.ab.ca. n/a . <http://www.uofaweb.ualberta.ca/senate/stepout.cfm>

UNTIL MAY 20 2006

Corporate Challenge Blood Donor Challenge
Call 1-888-2-DONATE. Donate whole blood, plasma or platelets as a member of the U of A Corporate Challenge Team. Encourage friends and family to donate, too! Blood Services. http://www.uofaweb.ualberta.ca/challenge/blood_donor.cfm

UNTIL APR 29 2006

ELEMENTS: Bachelor of Design Grad Show
Join us for the Bachelor of Design Graduating Exhibition 2006. The Opening Reception will be held at the Fine Arts Building Gallery 7 - 10 p.m. Gallery hours are Tuesday - Friday, 10 a.m. - 5 p.m., and Saturday, 2 p.m. - 5 p.m. Fine Arts Building Gallery, room 1-1 Fine Arts Building, 112 street and 89 avenue.

APR 28 2006

Teaching with Writing Workshop II with Toby Fulwiler
The Writing Task Force is sponsoring full-day workshops for instructors from all faculties, programs, and departments. The workshops are an excellent opportunity to find out more about writing-intensive teaching, Writing-to-Learn, Writing-Across-the-Curriculum and Writing-in-the-Disciplines from one of the world's leading experts. The workshops are free but registration is required.

9 a.m. - 5 p.m. Prairie Room Lister Hall . <http://www.arts.ualberta.ca/wtf/>

Fatty Acid Desaturases: Agents for Cold Acclimation, Courtship and Molecular Defence
Department of Chemistry Visiting Speaker lecture presented by Professor Peter Buist, Department of

Chemistry, Ottawa-Carleton Chemistry Institute, Carleton University 11 a.m. - 12 p.m. E3-25 Chemistry Centre.

Curriculum and Pedagogy Institute Seminar: Haunting, Deconstruction and Curriculums of the Otherwise
Curriculum and Pedagogy Institute

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Seminar Series presents: Mourning After the Day before: Haunting, History, and Hope Presenters: Dwayne Donald, Yvonne Ellis and Robert Nellis (PhD Students), Department of Secondary Education All are welcome! Refreshments will be provided. 2 p.m. 122 Education South Education Centre . <http://www.uofaweb.ualberta.ca/education//pdfs/CPInWinter2006rev.pdf>

Cell signaling and asymmetric neuroblast division in C. elegans Nancy Hawkins with Department of Molecular Biology and Biochemistry at Simon Fraser University is presenting a seminar on "Cell signaling and asymmetric neuroblast division in C. elegans" 3:30 p.m. M-145, Biological Sciences Building. <http://www.biology.ualberta.ca/courses/genet605/>

IPE Public Policy Workshop: Tiff Macklem, Deputy Governor, Bank of Canada - "Globalization: China, India and the Implications for Canada" IPE Public Policy Workshop Tiff Macklem, Deputy Governor, Bank of Canada, speaks on "Globalization: China, India and the Implications for Canada" 3:30 p.m. Tiered Classroom TELUS Centre for Professional Development . www.ualberta.ca/ipe

APR 29 2006

Teaching with Writing Workshop II with Toby Fulwiler The Writing Task Force is sponsoring full-day workshops for instructors from all faculties, programs, and departments. The workshops are an excellent opportunity to find out more about writing-intensive teaching, Writing-to-Learn, Writing-Across-the-Curriculum and Writing-in-the-Disciplines from one of the world's leading experts. The workshops are free but registration is required. 9 a.m. - 5 p.m. Prairie Room Lister Hall . <http://www.arts.ualberta.ca/wtf/>

3rd Annual Arts Alumni Spring Tea Join fellow Arts Alumna, Laurie Greenwood, and Dean Daniel Woolf to hear the latest faculty news and meet other Arts grads. 2 p.m. Maple Leaf Room, Lister Hall. <http://www.uofaweb.ualberta.ca/arts/nav03.cfm?nav03=40666&nav02=18646&nav01=18543>

MAY 1 2006

(UTS) Teaching Dossier What is a teaching dossier and what kind of supportive documentation should it contain? Why are some University of Alberta departments placing greater importance on teaching dossiers? The aim of this workshop is to answer these questions and provide an opportunity for participants to start to create their own personalized dossier. 10 a.m. - 11:30 p.m. CAB 219. <http://www.ualberta.ca/uts>

(UTS) Microteaching for the IS Program The Instructional Skills (IS) Program participants to demonstrate their teaching skills to peers. Participants with a minimum of 25 hours of pedagogy are invited to give a 10-minute microteaching presentation on a topic of interest to and understandable by a diverse audience. Presentations must be structured (introduction, body, conclusion) and rehearsed to fit the 10-minute time slot. If you wish your presentation to be videotaped, please bring a blank VHS tape. As this is a requirement of the IS Program, registration and attendance are compulsory. This IS Program Session requires five participants. 1 p.m. - 3 p.m. CAB 219. <http://www.ualberta.ca/uts>

Recruitment Seminar Dr. Martin Srayko, Max Planck Institute for Molecular Cell Biology and Genetics, will present a seminar entitled "Regulators of microtubule behaviour in C. elegans: from systems to individual components". Dr. Srayko is a candidate for the Assistant/Associate Professor position in Molecular Genetics in the Department of Biological Sciences. Hosted by Dr. Dave Pilgrim. 4 p.m. - 5 p.m. M 145 Biological Sciences Building. http://www.biology.ualberta.ca/news_events/

MAY 2 2006

Rural Economy Seminar Roger von Haefen, Department of Agriculture and Resource Economics, North Carolina State University will present a seminar titled: "Distributional and Efficiency Impacts of U.S. Gasoline Taxes: An Economically-Based Multi-Market Study 3 p.m. Room 550

MAY 3 2006

Benefits and Challenges of Student Placements (UTS) Each year thousands of undergraduate and graduate students from 16 faculties and schools within the University of Alberta participate in some form of experiential learning where professional work experience is closely integrated with their studies. A panel consisting of a student and representatives from University Administration, government, and a community agency will discuss some of the advantages and challenges of these student learning experiences. 9 a.m. - 10:30 p.m. ETLC 1-003. <http://www.ualberta.ca/uts>

Models of Student Engagement (UTS) University of Alberta students currently have opportunities for experiential learning that include internships, cooperative placements, optional community service learning, and compulsory clinical placements. A multidisciplinary panel profiles the structure of different learning opportunities and

discusses how such learning is designed, implemented, and monitored to achieve quality learning outcomes. 11 a.m. - 12:30 p.m. ETLC 1-003. <http://www.ualberta.ca/uts>

PHS Grand Rounds Guest Speaker: Dr. Karen Goodman, Associate Professor, Department of Public Health Sciences and Department of Medicine, Division of Gastroenterology, Zeidler Leducor Centre, University "Epidemiologic Studies of Helicobacter pylori infection in Children" 12 p.m. - 1 p.m. Room 2-117, Clinical Sciences Building. <http://www.phs.ualberta.ca>

Using Journals: A Window to Your Teaching and Student Learning (UTS) Experiential learning has been defined in terms of a learning model that begins with experience followed by reflection, discussion, analysis and evaluation of the experience. The assumption is that we seldom learn from experience unless we assess the experience, assigning our own meaning in discoveries and understanding. A journal can play a critical role in learning because it is a form of personal written record and response to experience. It is expressive writing that has been categorized as thinking and speculating on paper. Writing in a journal is a means of exploring one's thoughts and feelings, using writing to "know what one knows". This session will explore reasons and strategies for using journals as a window to your teaching and student learning. 1:30 p.m. - 2:30 p.m. ETLC 1-003. <http://www.ualberta.ca/uts>

Learning and Teaching Issues with Experiential Learning (UTS) Whenever students engage in learning "off campus" there are logistical and pedagogical challenges that need to be addressed. A multidisciplinary panel discusses the issues they have faced in planning and implementing the learning experiences of their students. 3 p.m. - 4:30 p.m. ETLC 1-003. <http://www.ualberta.ca/uts>

MAY 3 - 5 2006

Department of Psychology Distinguished Scholar Lecture Series The Department of Psychology announces its Annual Distinguished Scholar Lecture Series, presented by Dr. Michael Arbib, director, University of Southern California Brain Project. A series of three lectures will take place at 4 pm each day, May 3, 4 and 5 2006, in CW410 Biological Science Centre. 4 p.m. CW410 Biological Sciences Centre.

MAY 4 2006

Chemical and Materials Engineering Graduate Research Symposium - Engineering the Future The Department of Chemical and Materials Engineering at the University of Alberta will be hosting its Second Annual Graduate Research Symposium on May 4, 2006. Organized by a dedicated group of chemical and materials engineering graduate students, you can count on seeing unique research projects. 8 a.m. - 5 p.m. Engineering Teaching and Learning Complex (ETLC) . <http://www.uofaweb.ualberta.ca/cme/grs2006.cfm>

Second Annual Chemical and Materials Engineering Graduate Research Symposium The CME Graduate Research Symposium is a unique event organized yearly by a dedicated group of chemical and materials engineering graduate students. It is an exceptional opportunity to learn about the first-class research that is ongoing in the department. Delegates will enjoy keynote addresses (Dr. David Foot and Ms. Maja Veljkovic), student presentations and poster presentations throughout the day. Visit our website to register. 8 a.m. - 5 p.m. Engineering and Teaching Learning Complex (ETLC) Solarium (E2-100) and E1-001. <http://www.ualberta.ca/cmeng/grs2006>

Evaluating Student Learning in Off Campus Settings (UTS) Charting the progress and growth of students within an experiential learning experience and evaluating student performance is an integral component of teaching. Assessing these learning experiences is often treated differently from other forms of assessment. A multidisciplinary panel will share their evaluation strategies and the rationales for those strategies. 9 a.m. - 10:30 a.m. ETLC 1-003. <http://www.ualberta.ca/uts>

Crafting a Learning Plan (UTS) A learning plan is a mutual commitment between a student and an instructor. It is a "marrying" of course objectives with the student's learning needs and objectives, and may be a component of the evaluation process. In this introductory workshop we invite audience participation as we explore learning plans and how they might be used in experiential learning situations. 11 a.m. - 12 p.m. ETLC 1-003. <http://www.ualberta.ca/uts>

Visiting Lecturer Ivan Robert Nabi PhD Professor and CIHR Investigator Department of Cellular and Physiological Sciences Life Sciences Centre University of British Columbia Title of Talk: "Regulation of ER-mitochondria interaction by calcium and ubiquitin" 12 p.m. - 1 p.m. 5-10 Medical Sciences Building. <http://www.ualberta.ca/cellbiology>

Supporting Student Learning During Placements (UTS) In any professional discipline, the field experience, as with the classroom experience, possesses its own unique challenges. Key to its success, however, is how well students are supported in their learning. The purpose of this

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Convocation Hall Concert Series

1 Musici de Montréal Chamber Orchestra September 16, 2006 Nai-Yuan Hu, violin, Jacques Després, piano September 30, 2006 Panocha Quartet October 28, 2006 (Sponsored by the Czech and Slovak Society for Arts & Sciences of Alberta SVU)	Lafayette String Quartet January 13, 2007 Michel Cardin, baroque lute February 10, 2007 (joint concert with the Edmonton Classical Guitar Society) Vienna Piano Trio March 3, 2007 (Sponsored by the Wirth Institute for Austrian & Central European Studies)
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“Sharing a Continent” Panel Discussion on Canada-U.S. Relations

Monday, May 8, 2006
3:00 p.m.
TELUS Centre, Room 150
(111 Street & 87 Avenue)

Join us for a lively international panel discussion about Canada-U.S. relations in celebration of the launch of the University of Alberta's *Institute for United States Policy Studies*.

Panel participants:

- Mr. Naim Ahmed, U.S. Consul-General (Calgary)
- Dr. Amira de la Garza, Acting Director, North American Center for Transborder Studies, Arizona State University
- Dr. Michael Hawes, Executive Director, Canada-U.S. Fulbright Program
- Mr. Jeffrey Simpson, National Affairs Columnist, The Globe and Mail

Launch reception to follow at 4:30 p.m.

Admission is free!
Everyone is welcome to attend.

For more information:
Melissa Boisvert
492-9136
melissa.boisvert@ualberta.ca

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workshop is explore the teaching learning process within the context of the field setting and to examine strategies that can be used to best support the student in their experience. 1 p.m. - 2:30 p.m. ETLC 1-003. <http://www.ualberta.ca/uts>

Future Collaborative Strategies for Experiential Student Learning (UTS) Where might we go from here? Based upon the options and opportunities, the teaching strategies and challenges, and student reports a multidisciplinary panel will present their ideas and suggestions for future experiential learning opportunities. 3 p.m. - 4:30 p.m. ETLC 1-003. <http://www.ualberta.ca/uts>

Lecture on Transnistrian Crisis Anatoliy Kruglashov, Professor and Chair of the Department of Political Science and Public Administration, University of Chernivtsi, Ukraine, will speak on “The Transnistrian Crisis and the Peacekeeping Mission of Ukraine: Is there Reason for Hope?” 3:30 p.m. 227 Athabasca Hall (Heritage Lounge).

MAY 4 - 6 2006

Canadian Summit on the Integration of Research, Teaching and Learning The U of A is hosting the 2nd Annual Canadian Summit on the Integration of Research, Teaching and Learning. The conference will explore different aspects of the integration of teaching and research with the goal of improving the student learning environment within Canadian higher education. 3 p.m. - 5 p.m. Telus Centre and Education Centre. <http://www.ualberta.ca/summit>

MAY 7 2006

Traditional Japanese Tea Ceremony Tea offering will be hosted at the Devonian Botanical Gardens' Ozawa Pavilion. This is an authentic Japanese Tea House, set in the tranquil Kurimoto Japanese Garden. Sittings will be held 1:30, 2:15 and 3 p.m. Maximum of four people for the 1:30 and 2:15 p.m. sittings, and a maximum of 20 people for the 3 p.m. sitting. Explanation of the tearoom and tea ceremony will be provided to the guests, as well as Japanese sweets and tea. Experience Japanese culture in a unique setting. Cost \$5.00 per person. General admission rates apply. Tickets available on a first come basis. Contact Visitor Services (780) 987-3054 for further information. 1:30 p.m. - 4 p.m. Devonian Botanic Garden (five km north of the Town of Devon on Hwy. 60). <http://www.devonian.ualberta.ca/>

MAY 8 2006

Conceptions of Generic Attributes (COGA): A framework for developing tomorrow's graduates? Presented by: Dr. Simon Barrie, University of Sydney Universities have attempted to describe the sorts of abilities that students need to develop in terms of generic graduate outcomes above and beyond the content knowledge of the discipline in which students study. These outcomes have come to be known as generic attributes in Australia and are considered to be core outcomes of higher education that every university graduate will possess. However there is little evidence that the rhetoric of graduate attributes policy has been matched by the sorts of learning experiences universities provide or the outcomes their graduates evince. This seminar will present the findings of research conducted at the University of Sydney into the conceptual basis for such generic attributes. 9:30 a.m. - 11:30 a.m. #134 TELUS Centre for Professional Development. <http://www.ualberta.ca/uts>

Narrative's Impact on Clinical Practice - Rita Charon, Arthur Frank The Faculty of Medicine and Dentistry launches its new Arts and Humanities in Health and Medicine program. Distinguished speakers will present their most recent work in the area of narrative and clinical practice, and offer directions for health education, policy, and research in this area. Four panelists from medicine and the arts will respond. A reception following the launch will include displays of a selection of university and hospital-based programs and initiatives that highlight the intersections between the arts, humanities, health and medicine. 2 - 4:15 p.m. Bernard Snell Hall, WC MacKenzie Health Sciences Centre, University of Alberta Hospital (near 112th Street entrance).

Official launch of the Institute for United States Policy Studies. Panel Discussion: “Sharing a Continent” Panelists: Jeffrey Simpson, columnist, Globe and Mail; Michael Hawes, The Canada-US Fulbright Program; Amira de la Garza, Acting Director, North American Center for Transborder Studies, Arizona State University; The U.S. deputy ambassador to Canada. 3 p.m. Telus Centre Auditorium.

MAY 10 - 12 2006

The 6th International Conference of the Canadian Proteomics Initiative (CPI 2006) The program developed for CPI 2006 is outstanding and offers something for everyone with an interest in proteomics, bioinformatics, functional genomics, technology development, and structural biology. CPI 2006 is one of the most affordable conferences in North America and promises to be an exciting and informative meeting. 9 a.m. - 12 p.m. Maple

Leaf Room, UofA Conference Centre, Lister Centre. <http://cpicanada.org/index.php?home>

MAY 10 2006

PHS Grand Rounds Guest Speaker: Dr. John Frank, Scientific Director, CIHR Institute of Population and Public Health; Professor, Department of Public Health Sciences, University of Toronto; Senior Scientist, Institute of Work and Health “Towards a Revitalized Public Health Work Force in Canada: Strengthening Academic-Practice Linkages” 12 p.m. - 1 p.m. Room 2-117, Clinical Sciences Building. <http://www.phs.ualberta.ca>

Visiting Lecturer Dr. John J. M. Bergeron Robert Reford Professor, chair, Department of Anatomy and Cell Biology McGill University Title of Talk: “A systems biology approach for the early secretory pathway of rat liver by quantitative proteomics” 3:30 p.m. - 4:30 p.m. Room 2-27 Medical Sciences Building. <http://www.ualberta.ca/cellbiology>

MAY 11 - 3 2006

Meaningful Marginalities: Religious Influences and Cultural Constructions “Meaningful Marginalities” brings together the disciplines of literature, religion, film, and the visual arts to examine the persistent and transformative, yet often conflicted and mutually resistant influences that literature, religion and culture have on one another. The conference papers explore the ways in which ideas, texts, movements, and communities that can be considered marginal - whether in social, religious, or literary terms - illustrate relationships between cultural constructions and religious influences. Education North 4-110 Education Centre. <http://www.uofaweb.ualberta.ca/rs/MeaningfulMarginalitiesConf.cfm>

MAY 11 2006

Enantioselective Organocatalysts based on Hydrazides Department of Chemistry Visiting Speaker lecture presented by professor William Ogilvie, Department of Chemistry, University of Ottawa 2 - 3 p.m. E3-25 Chemistry Centre.

2006 Sports Wall of Fame Dinner and Induction Join us for a celebration of excellence in inter-university sport and athletics, and to recognize past and current contributors to our communities and University of Alberta Athletics 5 p.m. - 9 p.m. Shaw Conference Centre. Tickets \$150 each or \$1,500 for a table of 10. For more information call 492-3893 or visit: <http://www.bears.ualberta.ca/?pt=content&ID=33616&parent=1069>

MAY 12 2006

Curriculum and Pedagogy Institute Seminar Series: Discourse Analysis Dr. David Pimm, professor of Mathematics Education, Department of Secondary Education: “Issues of Form and Content in Discourse Analysis” 2 - 3:30 p.m. 122 Education South. <http://www.quasar.ualberta.ca/cpin/upcoming.htm>

Curriculum and Pedagogy Institute Seminar: Discourse Analysis Curriculum and Pedagogy Institute Seminar series presents: Issues of Form and Content in Discourse Analysis Presenter: Dr David Pimm (Professor of Mathematics Education) Department of Secondary Education All are welcome! Refreshments will be provided. 2 p.m. 122 Education South Education Centre. <http://www.uofaweb.ualberta.ca/education/pdfs/CPIinWinter2006rev.pdf>

MAY 13 2006

In Search of Identity, Longing for Homeland: research meeting to unveil a four-year study on African women immigrants A four-year SSHRC funded research project on African women in Alberta will be unveiled to community leaders and immigrant serving agencies at the university of Alberta. The first of its kind in scope and focus, the study has come up with a rich data bank for those who provide services to this immigrant group as well as researchers in the field. Dr. Phil Okeke, a professor in the Women's Studies Program of the U of A and the principal investigator in the study, hopes that discussions of the findings among invited delegates will point to future research directions. 8:30 a.m. - 4 p.m. Lister Hall, Conference Complex.

MAY 14 2006

Mother's Day Tea Come and enjoy a delectable selection of teas, scones and strawberry shortcake, with your mother at the Devonian Botanic Garden. Make sure that you also make time to take a stroll through the Garden to see what is blooming! It is her day - make sure that you spoil her! Regular admission rates apply. There is a cost of \$5 per person for the tea, which is payable at the Buttercup Bristo (patio concession). There is limited space available, please register by calling (780) 987-0362 2 p.m. - 3:30 p.m. Devonian Botanic Garden (five km north of the Town of Devon on Hwy. 60). <http://www.devonian.ualberta.ca/>

MAY 15 2006

EG King Lecture Senator Michael Kirby will

deliver the EG King Lecture. The title of his talk is "The Future Shape of Canada's Healthcare System". 5 p.m. - 6 p.m. Bernard Snell Hall. <http://www.departmentofmedicine.ualberta.ca>

MAY 16 2006

The Cell Biology Students' Association Presents: 2006 NEB Cell Biology Distinguished Speaker Lecture Series Dr. Gary M. Bokoch Professor, Department of Immunology and Department of Cell Biology The Scripps Research Institute, La Jolla, CA Title of Talk: GEF-H1, a micro-tubule-linked Rho GEF regulating cell division and motility" Reception to follow in SUB Alumni Room 4 - 5 p.m. Engineering Teaching and Learning Complex (ETLC) E1-003. <http://www.ualberta.ca/cellbiology>

MAY 17 - 18 2006

2006 Canadian Blackboard Conference The Canadian Blackboard Community (CBBc) is made up of teachers, learners and technology professionals devoted to finding ways to enhance education through the use of the Blackboard Academic Suite. The 2006 Canadian Blackboard Conference will focus on the recent merger between Blackboard and WebCT and future direction. We are pleased to welcome Todd Gibby, VP Operations (Blackboard) and Peter Segall, VP Education Strategy (WebCT) to deliver our keynote address. If you are an administrator or user of WebCT we invite you to the CBBc conference to help us merge ideas to enhance education. Fostering and sustaining community is a vital component to making advances in the area of eLearning and for delivering quality in the educational experience. 7:30 a.m. - 4 p.m. University of Alberta, School of Business, Stollery Centre . <http://www.bbconference.ca>

MAY 17 2006

PHS Grand Rounds Guest Speaker: Dr. John F P Bridges, professor, Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health. "Who Cares about the Patient's Point of View Anyway: A German Perspective" 12 p.m. - 1 p.m. Room 2-117, Clinical Sciences Building. <http://www.phs.ualberta.ca>

Daring to Will the Future: Introducing the City-Region Studies Centre This forum will explore ways in which the university, civic agencies, and community groups can facilitate further collaboration through the creation of the City-Region Studies Centre. It is anticipated that a variety of core research themes will emerge through the

multi-disciplinary presentations and discussion on the current state and future needs of our urban regions. RSVP required. 2 p.m. - 6 p.m. University Extension Centre, 8303 - 112 St., Room 3-40.

MAY 18 2006

Department of Medicine Research Day The Department of Medicine holds the 2006 Research Day in the tiered classroom at the Telus Centre. Special guest adjudicator will be Dr. Alexander Sorisky from the Ottawa Health Research Institute. Oral presentations take place from 8 - 4 p.m. Posters will be on display in the foyer and will be adjudicated from 11 a.m. -1 p.m. Event runs 8 a.m. - 4 p.m. at the Telus Centre. <http://www.departmentofmedicine.ualberta.ca>

School-based obesity prevention: A blueprint for change Presented by Tom Baranowski, a leading scholar in behavioural nutrition in children, professor of pediatrics and leader of the Behavioral Nutrition group with the USDA-funded Children's Nutrition Research Center, Department of Pediatrics, Baylor College of Medicine, Houston. 10 a.m. - 11:30 a.m. E120 Van Vliet Physical Education and Recreation Centre . www.physedandrec.ualberta.ca

Europeanization or Balkanization: Montenegrin referendum, Serbia, and the future of the western Balkans Discussion of the upcoming referendum on independence in Montenegro, and the dynamics of European integrations of the western Balkans. 3 - 5 p.m. Senate Chamber, Old Arts Building.

MAY 18 - 27 2006

Studio Theatre presents One Flea Spare by Naomi Wallace Set in a virtually bare London room, *One Flea Spare* sharply focuses on the natural forces induced by the Great Plague upon the human constructs of power, class and gender. The Snelgraves, an upper-class couple, are about to be released from a month-long quarantine period but are imprisoned once again when two uninvited visitors, Bunce a sailor, and Morse, a surreal all-knowing girl of 12, burst into their home and their lives. *One Flea Spare* is beautiful, harsh, and moving - brilliant political poetry for the stage. Advance tickets available through TIX on the Square 420.1757 or online at www.tixonthesquare.ca . Walk-up tickets available at the Timms Centre Box Office one hour prior to curtain, for that day's performance only. No performance Sunday, May 21, 2006. 8 p.m. Timms Centre for the Arts . <http://www.uofaweb.ualberta.ca/drama/studiotheatre.cfm>

positions

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPPA). The University of Alberta hires on the basis of merit. We are committed to the principle of equity of employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons. With regard to teaching positions: All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. For complete U of A job listings visit www.hrs.ualberta.ca.

CHAIR DEPARTMENT OF HUMAN ECOLOGY

The Faculty of Agriculture, Forestry, and Home Economics at the University of Alberta invites applications for the position of Chair, Department of Human Ecology. Located in Edmonton, Alberta, Canada, the University of Alberta is recognized nationally and internationally for educational and research pre-eminence, offering a very broad range of outstanding programs through a comprehensive set of faculties and schools. The University of Alberta is one of Canada's premier teaching and research intensive universities serving more than 35,500 students with some 8,000 faculty and staff. For more information about the University of Alberta go to www.ualberta.ca.

The Department of Human Ecology is home to 12 full-time faculty members who conduct research on aging, parent-child relationships, vulnerable youth and families, protective clothing, material culture and design and aesthetics. Faculty members hold more than \$15 million in research funding, either individually or collaboratively with other researchers. With an annual operating budget of approximately \$1.7 million, this student-centred, research intensive department offers Masters and PhD programs in Family Ecology and Practice; Human Ecology and Aging; and Textiles and Clothing. Undergraduate degrees are offered with majors in Family Ecology and Textiles & Clothing. The department is home to a state-of-the-art protective clothing and equipment research facility, textile and apparel research laboratories, design studios, a social sciences research suite (including focus group, and parent-child observation laboratories), and a world-renowned clothing and textile collection that supports teaching and research. The department is one of four in the faculty and has close linkages and productive collaborations with other units on campus, particularly Arts, Education, the Health Sciences faculties, and Engineering. Additional information about the faculty and the department is available at www.afhe.ualberta.ca .

The department seeks a chair committed to securing additional resources to support continued

growth and excellence in teaching and research. The successful candidate will have an understanding of the human ecosystem perspective and will appreciate and support the diversity of scholarship in the department that ranges across the physical sciences, social sciences, humanities, and fine arts. The chair will bring vision, inspired leadership, strong strategic planning skills, and organizational and management skills. The chair will be a team builder and have a supportive and open administrative style. The successful candidate will have a doctorate and a strong research program of international renown in an area complementing or related to the department's areas of research strength. The successful candidate also will have a superior record of teaching and graduate student supervision.

Applications, including a curriculum vitae, the names of three references, and a two-page vision statement for this position, may be sent to:

Dr. John Kennelly, Dean
Faculty of Agriculture, Forestry, and Home Economics
University of Alberta
Edmonton, Alberta T6G 2P5

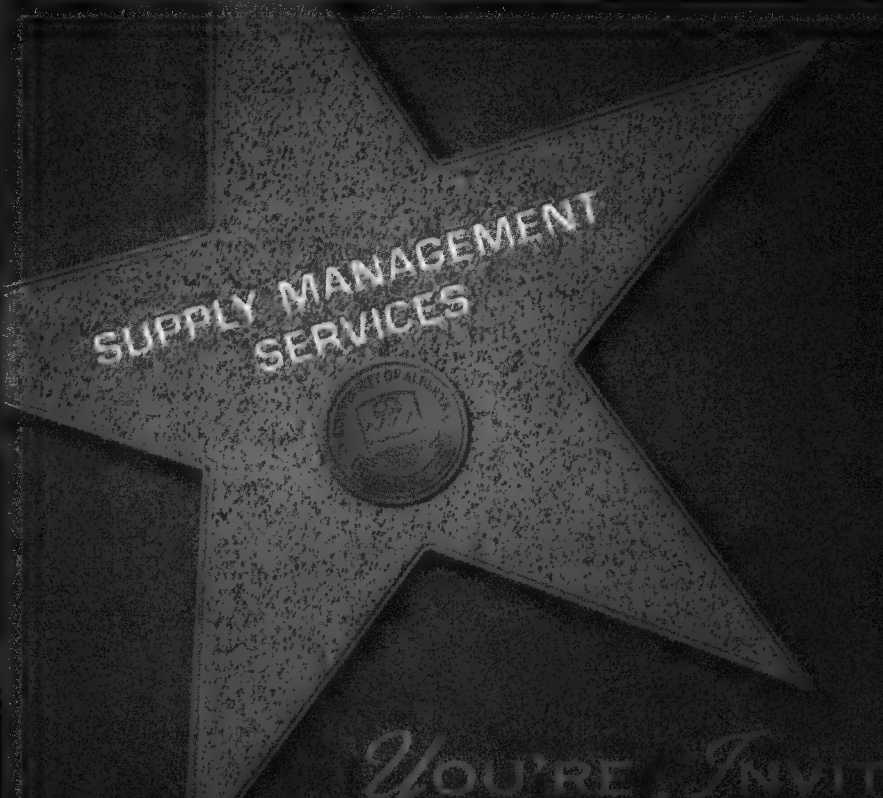
Review of applications will commence in May 2006; however, the competition will remain open until the position is filled. The start date is negotiable.

POSTDOCTORAL FELLOW IN LABORATORY MEDICINE & PATHOLOGY FACULTY OF MEDICINE & DENTISTRY

The Faculty of Medicine and Dentistry at the University of Alberta invites applications for a Postdoctoral Fellow in the Laboratory Medicine and Pathology Laboratory (start date to be June 1, 2006). The appointment will be for a two-year period.

The successful application will possess a PhD in an area related to genetics, molecular biology or biochemistry.

This individual will participate in projects that are both basic and translational research in nature



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NorQuest's role in post-secondary education is unique and essential in today's increasingly diverse society. We are recognized for our expertise in English as a second language, academic development, and career education for health, human service, business and industry. We are also known for our commitment to opening pathways for learners with a wide range of social, cultural, economic and educational experiences. We believe that intercultural communication is a key to success in the communities and workplaces of today and tomorrow.

We are now looking for an entrepreneurial, energetic individual with a passion for Intercultural Education to lead our intercultural communication initiative from conceptual stage to implementation in the college and in the community we serve. You will develop and coordinate the emergence of a centre of excellence in intercultural education.

Our goals include:

- establishing NorQuest as a model of intercultural competence,
- promoting and sharing our understanding of applied research in intercultural education,
- developing and delivering intercultural education programs and training,
- providing solutions to employers and groups who work in diverse cultural settings.

As the Chair of Intercultural Education you will:

- develop a long-term strategic plan for this initiative,
- provide academic leadership in program development and delivery,
- generate sustainable funding for the initiative.

Qualifications:

- Masters Degree with a Certificate in Intercultural Education and extensive experience in intercultural communication;
- Minimum of 5 years experience in international education programming both in Canada and overseas;
- Experience in developing, marketing and delivering programs for intercultural and international groups;

For more information on how to apply please visit our website at www.norquest.ca

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in the area of Breast and Prostate Cancer Genetics and will involve:

- Identification of associations in gene polymorphisms / loci in case-control DNA samples, elucidation of genetic, molecular and biochemical mechanisms underlying breast and prostate cancers.
- Provide guidance for students and technologists
- Some supervisory responsibilities
- Work in a team environment
- Generate and test hypotheses

Requirements for this position:

- PhD in genetics, molecular biology or biochemistry and publications in a field relevant to the required skills
 - Sophisticated expertise and considerable experience in molecular biology
 - Understanding of the application of statistical analysis tools to molecular genetics
 - Genotyping using high density Affymetrix SNP chips and fine mapping of loci using Pyrosequencing genotyping platform would be an asset, but not a prerequisite
 - Knowledgeable in the application of techniques such as PCR, isolation of genomic DNA, cell culture, protein purification and immunoblotting
 - Excellent interpersonal skills and ability to work in a team
 - Capacity for independent pursuit of project
 - Intellectual curiosity and initiative
- For further information about this position, please contact the Principal Investigator, Dr. Sambasivarao Damaraju (sambasiv@cancerboard.ab.ca).

Applicants are encouraged to submit curriculum vitae, brief descriptions of research interests and the names of three references (including contact information) to:

Femka Williams (femkawil@cancerboard.ab.ca)
 Cross Cancer Institute, Room 2244
 11560 University Avenue
 Edmonton, Alberta, T6G 1Z2

This competition will remain open until a suitable candidate is identified. All qualified applicants are encouraged to apply; however, Canadians and permanent residents will be given priority.

BIostatistical Analyst THE CANADIAN VIGOUR CENTRE, UNIVERSITY OF ALBERTA

The Canadian VIGOUR Centre at the University of Alberta is seeking applications for the post of a biostatistical analyst. The successful candidate should be able to work with large administrative and clinical trial databases and conduct statistical analyses to address clinical issues in consultation and collaboration with the centre's senior researchers. The candidate must have a Master's degree supplemented by strong training in statistical methods (such as logistic regression analysis and survival analysis). The candidate must be familiar with SAS and SPSS statistical packages and have proficiency in SAS and other statistical packages. Interested candidates should send a CV to Padma Kaul, 7226 Aberhart Ctr. 1 or email pkaul@ualberta.ca.

RESEARCH ASSOCIATE, LAB-ON-CHIP BIOTECHNOLOGY DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Our laboratory has a position available in a project of integrating life science and molecular biology protocols onto microfabricated devices. Our primary goal is the development of medical diagnostics. We seek a person with a PhD in an experimental field in the life sciences, natural sciences or engineering. Anyone with experience with the conventional techniques described below, and with an interest in their miniaturization, is a suitable candidate for the position.

This multi-year project is a vibrant collaboration between labs in the Faculties of Engineering and Medicine & Dentistry. The project involves the transfer of conventional life science protocols to microfluidic ("lab on a chip") devices. Most of this activity will take place in a laboratory that is jointly-operated by life science and engineering researchers. The position requires:

- A demonstrated ability to troubleshoot and think critically in an experimental environment.
- Good communication/interpersonal skills.
- The ability to work in a diverse interdisciplinary environment.
- Demonstrated experimental experience in biochemistry, biophysics, analytical chemistry

or molecular biology, particularly in electrophoretic or other separation methods or in the development or troubleshooting of assays (chemical or biological).

- Demonstrated ability to productively direct one's own research, as well as that of others.

Applicants will have a PhD with a demonstrated record of productivity in an experimental area. The successful candidate will be a junior investigator and will participate fully in research and related scholarly activities. He/she will take a leadership role, work closely with the research team, mentor graduate students and manage long-term research projects to completion.

In order to apply, please send a cover letter and a CV that includes: 1) a list of research & development projects participated in, 2) a list of publications (please describe your role in each), and 3) the names and contact information of at least three references.

Please send these via email to:

Professor Chris Backhouse
 Department of Electrical and Computer Engineering
chrisb@ualberta.ca with a carbon copy (cc) to krista@ece.ualberta.ca
 Please also use the subject line of "ATTN: RA - Integration Position"

In case of difficulty in communications, please contact Krista at +1 (780) 492-8336.

Applications will be accepted until the position is filled. Salary will be commensurate with experience. All applications will be acknowledged.

ASSOCIATE DIRECTOR, INFORMATION TECHNOLOGY RESOURCES AND SERVICES

The University of Alberta Libraries (www.library.ualberta.ca), Canada's second largest ARL library, and one of Canada's most technologically advanced research libraries seeks outstanding candidates for the position of Associate Director, Information Technology Resources and Services. The Associate Director will contribute personal vision and energy to ensuring that the Libraries form an active part of the University's aspirations for regional, national and international recognition. The incumbent will provide leadership in the vision, development and management of the Libraries' next-generation digital services environment and oversee the Information Technology Resources and Services Unit, including:

Providing leadership through the identification of technology-based applications that support improvements to library services and staff productivity and through participation in the Senior Administrative Team. Effectively planning, budgeting and allocating resources and implementing technology and applications in support of the vision, mission and goals of the Libraries, the Learning Services portfolio and the University. Supervising the Information Technology Resources and Services staff, consisting of five librarians responsible for operations, web development, digital initiatives, e-resources and licensing; and twenty technical/support and project staff. Ensuring that the Libraries' and Learning Services' interests are represented on campus-wide committees and activities related to technology.

Contributing to the highly collaborative environment within the province, the region and the nation.

The ideal candidate will have an accredited degree in library science, a minimum of seven years of progressive experience, including work in library systems and/or technology, and a successful track record of management/supervisory experience. We expect demonstrated success in facilitating and managing technology in research libraries and a strong understanding of technical applications. We expect a strong communicator with an avid interest in pursuing new directions in digital library services and in fostering innovation and team building.

This tenure-track position is classified at the Librarian 3 level with a current salary range of \$74,754-118,722. Librarians at the University of Alberta have academic status and participate in a generous benefits program. Closing date for applications is April 30, 2006.

To apply, please mail, fax, or e-mail your letter of application, résumé, and the names and addresses of three referees to:

Karen Adams
 Director of Library Services and Information Resources
 Cameron Library
 University of Alberta
 Edmonton, Alberta, Canada T6G 2J8
 Fax: (780) 492-8302
 Email: karen.adams@ualberta.ca

For complete University of Alberta job listings visit:
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ACCOMMODATIONS FOR RENT

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DOWNTOWN - PARK TOWERS, Near Grandin station, bright spacious one bedroom with atrium and a view of North Saskatchewan River. Fully furnished, available immediately, \$1500/mo including utilities. Call Janet Fraser 441-6441 Gordon W.R. King & Assoc. Real Estate Corp. Email jennfra@interbaun.com.

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CLARIDGE HOUSE - 1 bdrm, 1 full bath, furnished. Immediate to June 30/06, \$1250/mo. Call Janet Fraser 441-6441 Gordon W.R. King & Assoc. Real Estate Corp. Email jennfra@interbaun.com.

HENDERSON ESTATES - Heath Road executive 2 storey, 4 bedroom, exquisite finishes, excellent floor plan, available June 1, 2006. \$2000/mo. Call Janet Fraser for details 441-6441 Gordon W.R. King and Assoc. Real Estate Corp. Email jennfra@interbaun.com.

RIVERBEND - THE UPLANDS, gorgeous executive condo in prestigious complex, gated community. Coach home style, 2000 sq ft on one level, 2 bdrms + den and 2 full baths, huge designer kitchen, formal dining room, large living room, wood burning fireplace. Immediate possession, \$1500/mo includes all utilities. Call Janet Fraser 441-6441 Gordon W.R. King & Assoc. Real Estate Corp. Email jennfra@interbaun.com.

HOLIDAY RENTALS MEDIEVAL HOUSE OR STUDIO APARTMENT South of France near Montpellier (780) 433-9602, salliejohnson@shaw.ca.

FURNISHED SABBATICAL HOUSE: excellent, 3 bedrooms, 2 1/2 baths, 2,500 sq. ft. Close to very good schools, airport, UofA, shopping, restaurants and other amenities. Blue Quill/Heritage area. July 06-July 07. (780) 435-0533, peter.boxall@ualberta.ca.

TWO BEDROOMS 2 BATHROOMS quiet high-rise condominium adjacent to UofA. (Claridge House 11027 - 87 Avenue) 7 appliances, in-suite laundry, swimming pool (underground heated parking available), \$1,350/month includes utilities. Available August 1, 2006. Phone 430-6797.

FURNISHED SABBATICAL HOUSE: excellent opportunity in Lendrum area, 3 bedrooms, 2 baths, nice patio. Direct bus line to UofA, very close to schools, shopping, restaurants. Non-smoking. July to December 2006. (780) 492-3141, dennis.hall@ualberta.ca.

SIDNEY VANCOUVER ISLAND - 3 bedroom house for rent, weekly or monthly. Web: <http://members.shaw.ca/sidney.bc.house>, email: sidney.bc.house@shaw.ca or call (877) 281-1588.

SPACIOUS CLEAN 2 BEDROOM apartment, balcony, big storage. Anne 433-2327 or 430-6676.

NEW CONDO FURNISHED half block from the University Hospital. Professionals, 2 bedrooms, 2 full bathrooms, 6 appliances, large balcony, underground parking. Corner suite University view, upper floor security. Telephone: (780) 238-9560.

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INTERNATIONAL PARTNERSHIP FUND

The "International Partnership Fund" (IPF) was established to support University of Alberta faculty and staff participating in exchange activities with the university's many partner institutions around the world. The fund provides financial support to faculty and staff engaged in the development and/or implementation of activities that contribute to sustainable and reciprocal relations with international academic partners. Awards may be used for travel by either the U of A staff/faculty member to visit an international partner, or for the faculty or unit to support a visitor from the partner. The fund favours activities that develop projects bringing an international focus to the academic, research and

teaching mandate, and contribute to the internationalization objectives of the faculty.

Support from the IPF will ideally complement multiple funding sources. Matching support from the individual and/or the department/faculty and partner institution is required.

Note: The IPF only applies to those institutions with which the U of A has a formal agreement.

For guidelines, application forms and list of eligible partner institutions, please visit the University of Alberta International website: <http://www.international.ualberta.ca>

For more information please call 492-5840 or e-mail: ipf@international.ualberta.ca
Application deadline: Monday, May 1st, 2006

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By Ileiren Byles

It used to be that running off to join the circus was the ultimate escape dream, but in the last 20 years the Cirque du Soleil has made the circus an alluring career option.

In fact, students applying to enter the University of Alberta's BFA technical theatre program often list working for Cirque du Soleil high on their career list.

The human grace of Cirque du Soleil shows have crossed the world, becoming one of the biggest draws in Las Vegas, since the company's inception in Montreal in the early 1980s. Athletes and acrobats defy gravity and basic physics as they fly, hover, flex and bend – all with the help of complex rigging. Two of Cirque du Soleil's experts in making the impossible possible – Stephane Mayrand and Dany Fillion – were at the U of A recently to give students a first-hand look at how the magic is made.

"Dany, he's the expert when it comes to acrobatics apparatus, nets – anything you see on stage," said Mayrand. "Me, the things you don't see are more my forté. Nobody wants to see a big chain hoist."

The expertise required for the mind-boggling acrobatics and theatrics that Cirque du Soleil stages night after night isn't something that can be found anywhere.

Mayrand and Fillion were on campus trying to open some career possibilities for students. "The mutual goal between the Cirque du Soleil and the University of Alberta is for the university to have their graduating students be in a position where they could apply for a job at Cirque du Soleil and, on our end, our goal is to widen our recruitment horizon." ■

▲ U of A student Stephanie Johnson swings through the air as Cirque du Soleil experts taught a class of BFA technical theatre students the ropes of rigging for the stage.



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from the world of
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Canadian WebCT E-Learning Conference Learn, Teach, Inspire!

The AICT E-Learning team is forging ahead with final plans for the Fourth Annual Canadian WebCT E-Learning Conference: *Discover 2006: Learn, Teach, Inspire!* The event will be held at the U of A, June 19 to 22, 2006. A featured session with executive-level representatives from WebCT and Blackboard is generating significant interest. The two company representatives will outline the WebCT/Blackboard corporate merger and present their planned course of action until the end of 2006. They will then open the session to questions from conference attendees.

The E-Learning team has assembled a number of other conference presentations that look equally promising and stimulating. We have also arranged for a variety of pre-conference workshops that will appeal to a broad range of WebCT Vista users and support staff. Examples of these include:

- Discover Simple Audio and Video
- Podcasting: How to Become an 'Audio File' in Ten Easy Steps
- Customizing Your E-Pack
- Tablet PCs, Elluminate and WebCT
- Creating Clean, Lean, Mean HTML
- Advanced Interactivities: Games and Sims
- Upgrading to WebCT CE 6/Vista 4

Early Bird conference fees for registrations completed before May 15 are \$100 for University of Alberta participants, and \$245 for other attendees. (After May 15, fees are \$150 for U of A participants, and \$295 for all others.) The fees include access to nine exciting pre-conference workshops, the Opening Social Dinner, all conference events, hosted meals, and door prizes.

For further information about the conference, visit the conference website at:
www.ualberta.ca/webct/conference/2006

Questions? Send e-mail to webct06@ualberta.ca or call AICT's Bonita Bray, Team Leader of E-Learning Training and Consulting, at 492-5328.

U of A Digital Object Repository Showcase for Digital Innovation



Since 1998, a world-class and award-winning digital collections and object repository has been growing at the University of Alberta under the auspices of the soon to be discontinued Sun Software, Information and Technology Exchange (SunSITE). The U of A is grateful for the hardware, software and services provided by Sun Microsystems over these years in support of SunSITE Alberta, which offered a unique and important service to faculty, students and the community at large.

Even though Sun Microsystems is stepping back from its previous role in the SunSITE repository, AICT is committed to maintaining this service for the University community, but under a new name: University of Alberta Digital Object Repository (UADORE).

According to AICT's Natasha Nunn, Digital Projects System Analyst, now heading up UADORE, this renewed effort seeks to continue and expand the work started by SunSITE Alberta.

"UADORE aims to build a virtual space," she explains, "in which researchers and visionaries at the University of Alberta can inspire the human spirit by sharing their ideas, creativity and knowledge with the world."

Nunn says that UADORE will help the U of A develop coherent and coordinated approaches to the capturing, identification, storage and retrieval of its digital intellectual assets. She is aiming for a managed approach to these assets, which will create opportunities for efficient use of existing research, increase opportunities for improved learning

(continued on reverse)

Canadian Blackboard Conference Merging Ideas and Technologies

The U of A's School of Business will be hosting the 2006 Canadian Blackboard Conference on May 17 and 18 in the Stollery Centre (5th floor, Business Building). This year's event, *Merging Ideas to Enhance Education*, will focus on the merger between WebCT and Blackboard and will explore the future of e-learning.

The conference keynote speakers on May 17 are Todd Gibby (Vice President of Operations at Blackboard), and Peter Segall (Vice President, Education Strategy, WebCT). Gibby and Segall will provide details on the future of the Blackboard and WebCT product lines.

We are also pleased to welcome Dr. Paul Sorenson (CITO, University of Alberta) and Harold Esche (CIO, University of Calgary) who will provide keynote addresses on the morning of May 18. Sorenson and Esche will host a panel discussion examining the future of online teaching and learning at post-secondary institutions.

Conference fees are \$195 plus tax (minus a 10 percent discount for U of A employees). This includes access to all conference events, meals, an evening event, door prize drawings, etc.

Forming community is vital to making advancements in online teaching and learning. This conference is an effort to bring institutions across Canada together to explore the utilization of a common framework to improve and enhance education.

The conference website, including online registration, is located at:
www.bbconference.ca

Questions? Contact Michael Getz, Director of Learning and Communications Technologies, Alberta School of Business (492-9065, michael.getz@ualberta.ca).

Beat the Rush: Request Your Fall Session WebCT Vista Courses Now!

The AICT E-Learning team suggests that instructors avoid the last-minute rush by requesting their Fall WebCT Vista courses before leaving campus for summer research or fieldwork. Such requests can be made through the WebCT Vista Faculty Self-Service site at:

<https://course-admin.webct.ualberta.ca>

Once a request is made, the E-Learning team will set up your new course, move content from your previous course to your new one, and start enrolling your students. That way, you can update content during the summer, and when you return to campus, you will be all set for the new session.

The suggested deadline for requesting Summer courses is June 19; for Fall 2006 courses, the deadline is August 16.

Illuminate E-Learning with Elluminate

The AICT E-Learning team is implementing a two-stage rollout of Elluminate, a web conferencing system and real-time virtual environment that adds live discussion, dynamic interaction and collaboration to your asynchronous learning environment. Elluminate allows instructors and students to text chat, talk over the Internet, deliver PowerPoint presentations and share software applications and whiteboards.

In the first phase of the rollout, which starts the first week in May, Elluminate is available as a component of a WebCT Vista course. Instructors and support staff can create meetings inside a WebCT Vista course in this phase. Once the meeting is created, it can be accessed by any guests, even if they are not enrolled in the WebCT Vista course. School of Business Blackboard users will have similar access to Elluminate after its launch for WebCT Vista.

The second phase of the rollout will begin as soon as an additional Elluminate module (which supports Kerberos authentication) becomes available from the vendor, hopefully by late summer. In this phase, support staff in academic, research and administrative groups will be able to schedule meetings through the Elluminate Manager, outside of WebCT Vista.

Stay tuned to *Campus Computing@* for more details of the campus Elluminate implementation, including Elluminate training sessions. The information will also be available on the AICT E-Learning website at:

www.ualberta.ca/elearning



AICT Telephone Tips

Speed Dialing

Have you ever wondered what the 'SpcCtrl' key below your telephone display is used for? It stands for Speed Call Control, a feature that allows you to program up to ten frequently called phone numbers, which can then be speed-dialed with a single-digit code.

To program speed dialing on an M3902 phone (do not lift the handset):

- Press the 'SpcCtrl' key
- Enter the single-digit code (0-9)
- Enter the full phone number to be stored (remember the '9' for external numbers)
- Press the 'SpcCtrl' key again to save the speed dial entry

To use the speed call feature:

- Obtain a dial tone
- Press the 'SpcCtrl' key
- Enter the single-digit code, and the full phone number is dialed

Questions? Call AICT Telephone Services at 492-3422.

Safari Tech Books Online

The Latest Technology Titles

The University of Alberta Libraries recently purchased a site licence for Safari Tech Books Online. This resource provides U of A members with online access to thousands of complete technology books.

Book categories include:

- Applications, Applied Sciences, Artificial Intelligence, Databases
- E-Commerce, Enterprise Computing, Graphics, Hardware
- Networking, IT Management, Markup Languages, Multimedia, Operating Systems
- Security, Software Engineering

Safari Tech Books Online can be accessed from computers on the campus network (ualberta.ca) without any type of user authentication. However, when an attempt is made to access the resource from an off-campus computer, the user is directed to the U of A Libraries' Ezproxy service, which requires a CCID and password for authentication.

The gateway to Safari Tech Books Online is located on the Library website at:

www.library.ualberta.ca/databases/databaseinfo/index.cfm?ID=3618

New Inbox Blaster Tool for CCIDs

Spring Cleanup Time?

Everyone with a Campus Computing ID (CCID) is allotted 1 gigabyte of disk space for e-mail messages and folders on the AICT mail server complex. This is in addition to the 1 gigabyte of central disk space allocated to every CCID's home directory, which can be used for saving files and hosting web pages.

While 1 gigabyte may seem to be sufficient space for what is, after all, mostly text-based e-mails, some users do find themselves reaching their e-mail quotas. Some folks are simply pack rats who can't bear to delete or part with anything, digital or otherwise. Most often, though, the quota is exceeded when a user, unknowingly, has a desktop e-mail program configured to leave a copy of incoming e-mails on the central AICT mail service. Or, as an insurance policy, some users intentionally leave a copy of their e-mails on the central service when they have forwarding set up to deliver University mail to another e-mail address (e.g., Shaw WebMail, HotMail, etc.). If many of the stored messages contain binary attachments, such as videos or animations, exceeding the 1 gigabyte e-mail quota becomes a real possibility.

What to do, dear user? Enter the new bully on the block: Inbox Blaster, nemesis of bloated e-mail accounts! You might need him if, while using your e-mail program, you find yourself staring at the message "You have Exceeded Your E-Mail Quota."

Inbox Blaster provides a convenient way to delete the contents of a self-indulgent inbox. Although users can delete inbox messages manually via AICT WebMail or any other IMAP e-mail client program, this is cumbersome and time-consuming when the message totals reach into the hundreds or thousands. Inbox Blaster can be used to quickly empty the entire inbox or to delete all messages older than a specified date.

The Inbox Blaster tool is accessible through the 'E-Mail' section of the AICT Profile Manager application, which also contains options for e-mail quota checking, e-mail forwarding, setting up e-mail aliases, etc. The Profile Manager is located at:

<https://www.ualberta.ca/profile>

In rare instances, a user may find that the Inbox Blaster does not delete everything as expected. This will only happen in the case where a deletion date is specified. Details of using Inbox Blaster when deleting messages by date are available at:

www.ualberta.ca/help/email/webmailfaq_14.html

Questions? Call the AICT Help Desk at 492-9400.

AICT's Smart Classroom Services

Technology for Teaching

The AICT Classroom Technologies unit supports a large number of centrally scheduled smart classrooms all over campus. From the Humanities Centre on the north, to Clinical Sciences on the south, we operate 117 smart classrooms for academic use.

Smart classrooms are electronically enhanced lecture theaters (and smaller venues) that integrate computer, multimedia and network technologies. They typically include a podium microphone, a desktop computer, inputs for a laptop (you bring your own cable), a DVD player, a VCR, projection facilities, etc.

To access the equipment installed in a smart classroom, an instructor requires a key for access to the computer keyboard and mouse, which are locked in the podium drawer, as well as a touch panel code to get the projector running. These are given to full-time staff members and instructors at the U of A, and can be obtained through one of AICT's Classroom Technologies depots (see locations below).

Using an AICT-supported smart classroom carries no cost to departments or professors when they are booked for departmental meetings or for courses approved by the General Faculties Council. All other usages may be subject to a rental charge and/or a technical support fee.

Although AICT maintains and supports the smart classrooms, they are centrally scheduled, and must be booked through Examinations and Timetabling at 492-5221. Non-University groups can book the rooms through Conference Services at 492-4281.

If you have questions about smart classrooms, or other audiovisual services at AICT, contact one of our Classroom Technologies depots/technical centres and talk with one of our Multimedia Technicians. The Classroom Technologies offices are located at:

- Humanities HC L2-6 (Main Office): 492-3923 or 492-2183
- HM Tory 1-56: 492-2069
- Biological Sciences M-138: 492-5267
- ETLC E1-016: 492-3924
- Civil and Electrical Engineering 134: 492-7072 or 492-8508
- Business 4-27: 492-6323
- Telus Centre 201: 492-8436 or 492-8433

For more information about AICT smart classrooms, visit:

www.ualberta.ca/aict/ite/smartclass

(continued from front)

U of A Digital Object Repository

Showcase for Digital Innovation

experiences and encourage collaboration within and between different disciplines and groups.

"There is an enormous scope for re-use of digital content," says Nunn. "A centralized digital repository will help to break the cycle of individual silos of digital projects on campus by providing a common store with access for all."

The UADORE facility will take over the existing hardware and software resources of SunSITE Alberta. As well, academics and researchers who want to create digital object repositories may utilize the equipment at AICT's Digital Resource Centre (DRC), located in General Services Building 270. The DRC provides access to a variety of digitization equipment, including a very high-resolution digital camera and a large format scanner.

"The primary purpose of UADORE," says Nunn, "will be to provide support to those who are doing exciting and innovative work in the digital world. Projects can work together and take advantage of common organizational structures."



Natasha Nunn, AICT Digital Projects System Analyst, with a high resolution digital camera in the DRC. The device is used for digitally capturing 2D and 3D representations of objects.

The UADORE repository is located at:
<http://www.ualberta.ca/aict/uadore>

The facility currently hosts collections such as:

- Museums and Collections Services' Virtual Museum, which includes digital collections such as the WG Hardy Collection of Ancient Near Eastern Artifacts, the Archaeology Collection, and the Ukrainian Folklore Archives
- Rocky Mountain Repeat Photography Project
- Biological Teaching and Resource Library
- Atlas of Alberta Lakes
- Metis National Council Historic Database

Watch for highlights of these and other UADORE projects in future issues of *Campus Computing*. For more information about UADORE, call 492-8388.



Spring 2006

CAREER

C o n n e c t i o n s

Spring into CaPS

While the number of students on campus from May to August is not as high as it is during the fall and winter sessions, CaPS staff remain busy providing services for students, alumni and employers, as well as developing programs and planning activities for 2006-2007.

For undergraduate students and alumni with an undergraduate degree, we have workshops on career decision making, resume writing and interview skills scheduled for May and June. For graduate students and others interested in graduate studies, we will offer workshops on academic careers, careers outside of academia, and c.v. writing in May, June and July. We will also run several free brown bag lunch seminars in May and June.

Students and alumni are encouraged to take advantage of our individual consultation service. The types of consultations we offer are career advising, work search advising, resume, c.v. and cover letter critiques, and mock interviews. The CaPS Resource Centre houses many excellent publications, CD-ROMs and videos on a variety of career and employment-related topics, as well as

employer directories and information. Of course, students and alumni can access our job postings throughout the entire year. Information on permanent, temporary and summer jobs is available at CaPS, and through our website.

Employers are welcome and encouraged to continue to use our job posting service and interview facilities throughout the spring and summer. Our staff are always available to consult with employers who want to learn more about how to connect with University of Alberta students and alumni, and about the various programs offered at the U of A. (For more information, please contact carey.castillo@ualberta.ca.)

The CaPS staff will also be busy over the next four months planning for a variety of career fairs and career forums. Careers Day 2006 – our largest career fair, which attracts students and alumni in a variety of disciplines – is scheduled for Wednesday, September 20. Other career fairs we are planning include Health Sciences, Pharmacy, Education and summer employment. Other projects our staff will be working on to

enhance our services for students, alumni and employers include an employer survey (recruitment and hiring practices and preferences), putting some of our brown bag lunch seminars on-line, building a searchable web-based library catalogue, and refining our electronic systems for employers to submit job postings and schedule interviews and information sessions.

Sign up for an individual consultation!

Work one-on-one with a career advisor.

A CaPS career advisor is on campus to help you:

- Explore your career options
- Improve your work search strategies
- Improve your resume and cover letters
- Practice your interview skills

Book an appointment today by visiting CaPS, 2-100 SUB or call 492-4291.

Initial Inquiry

Q *I will finish my PhD this summer and I am beginning to prepare applications for academic positions. I'm not sure what to include in a cover letter. Can you help?*

A Sure! Here's a listing of cover letter components. Be sure to show your supervisor an early draft of your cover letter to ensure that it meets the expectations of your discipline. Cover letters for science and engineering tend to be shorter and less descriptive than those in humanities and social science.

Salutation: Dear Dr. or Professor _____ (Use the name of the department chair or the head of the search committee. If the ad directs you to respond to the search committee, it is appropriate to begin: Dear Committee Members.

Introductory Paragraph: Tell the reader why you are writing. How you heard of the position and discuss your status—a PhD candidate who expects to complete your program by July 2006. "This summer" sounds a little too vague!

Research Paragraph(s): If you are applying to a research intensive institution, provide a synopsis of your dissertation and its significance. Talk about the research project(s) you anticipate completing at the hiring institution should you be the successful candidate. Mention significant publications.

Teaching Paragraph: The amount of detail you provide here will depend on whether or not you include a statement of teaching philosophy in a teaching dossier. Speak to your teaching experience, the courses you are prepared to teach, and the courses you would like to develop. If you are applying to a teaching focused school, consider placing your teaching paragraph before the description of your research.

Added Value Paragraph: Mention other relevant information that would recommend you for the position (e.g. leadership roles that suggest your willingness and ability to take on committee work).

Closing paragraph: Indicate how you can be reached. Thank the readers for their consideration.

This is a very skeletal outline! If you need more help consider attending Writing an Effective Curriculum Vitae and Cover Letter (see www.ualberta.ca/caps for dates) or

CONTACT JANIS SHAW, CAREER ADVISOR, GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS AT JANIS.SHAW@UALBERTA.CA.

It's a Job Seeker's Market

Canada's current unemployment rate is 6.6% - the lowest it has been in three decades - and is expected to drop to 6.2% by 2008. As of January 2006, Alberta had the lowest unemployment rate in the country at 3.5%. Edmonton and Calgary, with unemployment rates of 4.3% and 4.4% respectively, have the third and fourth lowest unemployment rates of all Canadian cities after Victoria and Winnipeg.

Alberta Human Resources and Employment indicates that the largest increases in employment over the past year have been in the following occupational groups: business, finance and administrative occupations, social science, education, government and religion, and trades, transport and equipment operators and related occupations.

Although shortages do not exist in every occupation or industry there are forces at play that affect many. An aging population, low birth rates, globalization, and practices such as outsourcing and off-shoring are among the issues that contribute to the talent shortage across Canada. Experts say this shortage of talent is going to last. The province is estimating a shortage of 400,000 skilled and unskilled workers over the next 20 years.

In a recent study conducted by Manpower Inc. two thirds of the 1000 Canadian employers surveyed indicated that they were struggling to find qualified job candidates. In fact, the study placed Canada among the worst-off along with Mexico and Japan. Nationwide, the top 10 jobs that employers are having difficulty recruiting for are sales representatives, customer

service representatives and customer support, engineers, drivers, mechanics, labourers, chefs and cooks, electricians, skilled trades, and nurses.

The statistics all indicate that the demand for workers outweighs the supply. Government and employers are developing and implementing strategies dedicated to tapping into and raising the productivity of current and future participants in the labour market. As a result we will start to see education initiatives such as increased incentives to finish high school in three years in order to quickly move on to post-secondary education. Students will have access to more industry and occupation specific scholarships and bursaries. Students will also have more opportunities to build skills and work experience sooner through increased internship, apprenticeship, and co-op programs.

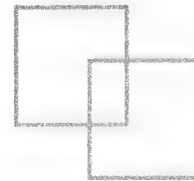
Employers have already responded to shortages by offering more part-time, temporary, contract and summer jobs. For many students the next several years will be the ideal time to quickly build skills and experience and to readily apply them in the labour market.

Did You Know?

Canada's unemployment rate is the lowest its seen in the past three decades!

So you want to charge for Job Postings?

Plan on investing in your
employer services!



Written By Graham Donald,
President, Brainstorm Consulting

Most career centres have some services or programs for which they charge service fees to employers; for example, career fairs. Job posting fees are most prevalent in Western Canada, but still far less common even there. The "model" career centre that others often try to emulate is the one that essentially pioneered job posting fees: Career and Placement Services (CaPS), at University of Alberta.

However, at first glance, observers might not realize that U of A's CaPS has done a lot more than just add a fee to an existing service. While others may have enhanced their employer service a little and then attached a \$25 fee, CaPS totally re-invented their service model so that they could easily justify their \$100 job posting fee (\$50 for charities and university departments). Granted, there may be some employers who object; but there are many others who see great value in the service they receive. Plus they understand that the money they pay is invested in CaPS' leading edge services to students as well. This past fall, an employer decided (without being prompted by CaPS) to track and compare the service they received at various campuses. Here's their feedback:

"This is by far the best managed Placement/Career Centre in Western Canada. Your lounge - the fact that you even have one - always has water, coffee & the odd surprise (home made cookies!). When I booked interview rooms this year I did so by email and actually kept track of response times. Some people took four days. I actually had to

follow up by phone with [name removed]. The average response time was 24 hours. Gail [Gail McClelland, Employment Coordinator, U of A] - 9 minutes! From day one I have been greeted with a warm welcome here. There are even people here before and after hours to open rooms. I realize that this centre is extremely busy but that is a result of your success. I wish that every other university would visit here to see how it should be done. Even the fact that there are always students using your facility & attending seminars is a rarity at other schools. Again, thank you and keep doing what you do."

My goal in sharing this feedback is not to start a competition of employer testimonials, but rather to draw attention to the fact that employer fees come with a price: the need for greatly improved service.

If your goal is solely to improve employer relations, then you might be happy if you generate enough additional revenue to cover the costs associated with that. If you want to use the revenue to subsidize many of the programs you offer students, then you may find you need to charge as much as CaPS does.

In either case, I don't think career centres should be afraid to charge employers: there will always be those who object. The greater concern should be focused on how to deliver good enough services to not only justify the fees, but also to leave employers wanting to come back for more.

"This article originally appeared in the February 2006 edition of the Career Educator eNewsletter and is reprinted with permission of the publisher."

Workshops for

Grad Students and
Postdoctoral Fellows

Writing an Effective CV and Cover Letter

Wednesday, May 10, 1:30 - 3:30 p.m.
Thursday, July 13, 9:30 - 11:30 a.m.

So You Want to be an Academic

Thursday, May 25, 9:30 - 11:30 a.m.

Establishing a Career Outside Academia

Wednesday, June 7, 1:30 - 3:30 p.m.

Please pre-register for these workshops at CaPS 2-110 SUB. All workshops take place in 4-02 SUB. For more information, please visit www.ualberta.ca/caps.

CaPS Under Virtual Renovation

Ever wish that you could sort the jobs in the CaPS Job Bank by deadline date, posted date or better yet, work term? CaPS heard your cries and responded. The 2006/2007 academic year will bring a CaPS website with not only a new look but increased functionality.

Students and alumni will be able to sort jobs by work term. For example, they can search summer jobs if that is their goal, permanent jobs for those approaching

graduation and part time jobs for those who work while at school. The sorting capability will also allow students to search only those jobs that have been posted since the last time they visited CaPS on the web.

As well, employers will have the capability to build their interview schedule on the CaPS website. Short listed applicants can choose an interview time by visiting the CaPS website and will receive a confirmation e-mail with time, place and any additional information needed for the interview.

With the new system students will have the opportunity to view relevant CaPS resources before preparing a resume to apply for job postings or after signing up for an interview. As part of the new website, CaPS will be adding an online catalogue that will allow students to search for books, periodicals, pamphlets and web accessible materials that are relevant to work search needs.

Phase one is underway and going along smoothly! Keep an eye on the website and before we all know it – voila!

Attend a CaPS Workshop!

Brush up on your skills or learn new ones at a CaPS workshop.

4.0 RESUMES

Thursday, May 18, 10:30 a.m. - 12 noon

Wednesday, June 21, 10:30 a.m. - 12 noon

Room 4-02 SUB

ACING THE INTERVIEW

Thursday, May 18, 1 p.m. - 2:30 p.m.

Wednesday, June 21, 1 p.m. - 2:30 p.m.

Room 4-02 SUB

CAREER DECISION MAKING STRATEGIES

Wednesday, May 24, 10 a.m. - 12 noon

Room 2-725 SUB

Please pre-register at CaPS, 2-100 SUB. For more information, please visit www.ualberta.ca/caps.

PUT YOUR TALENTS TO WORK

Careers Day 2006

Wednesday, September 20

10 a.m. - 4 p.m.

Universiade Pavilion (Butterdome)

University of Alberta

Meet with over 200 employers

Review

The Back Door Guide to Short-Term Job Adventures

By Michael Landes

Not sure what to do during the summer? Want a vacation where you can do more than lie on the beach? Are you looking for a short-term international adventure? Now in its fourth edition, the *Back Door Guide to Short-Term Job Adventures* is the essential almanac for finding a variety of programs and internships that offer people an adventurous work opportunity.

The programs listed in this guide are gathered together by types of work: international, adventure, ranches and resorts, farming, artistic and learning and "heartfelt," which may be spiritual or political work. Within each section, the organizations are listed alphabetically with an indication of what they offer, such as experiential education, organic farming or museum work. Where available, the website of the organization and a contact person is provided, including information about program costs or the stipend awarded, if they accept international (outside the US) applicants and how the organization prefers to receive applications. Opportunities can last for several weeks up to a year, and can vary by "peak" operating periods, depending on the needs of

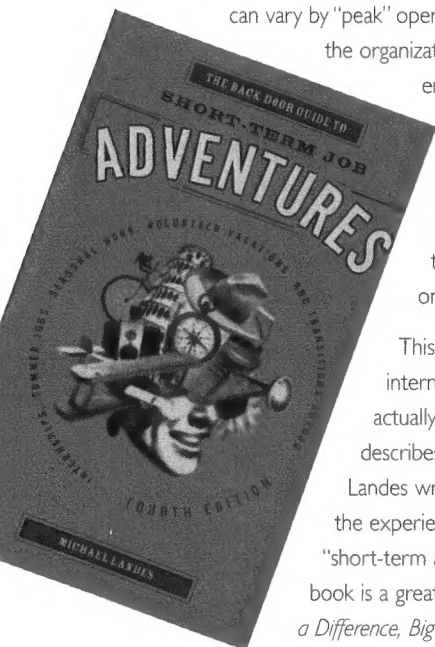
the organization. There is also an indication if the

employer is only looking for graduates or if anyone can apply, allowing people who are already working to take a career holiday with one of these adventures.

Not all books of this type include this information, and usually focuses only on students and graduate opportunities.

This book is distinguished from other books on international opportunities because the author actually takes advantage of the programs that he describes in the book. In his career advice section, Landes writes about his own experiences and includes the experiences of others who have departed on "short-term adventures" and enriched their careers. This book is a great companion to *Making a Living While Making a Difference*, *Big Guide to Living and Working Overseas* and *How to Live Your Dream of Volunteering Overseas*, all available in

the CaPS Resource Centre. For additional opportunities, consult the book's companion website at <http://www.backdoorjobs.com/>.



Did You Know?

There were 80 employers at the 2005 Summer Job Fair. This is a 25 % increase from 2004.

CaPS Librarian's High-5 Writing Careers

Careers for Writers and Others Who Have a Way with Words:

What careers are available to people who like to write or who consider writing to be one of their strongest skills? This book answers those questions by suggesting journalism, publishing, advertising and public relations amongst several other industries that hire writers.

Words on the Move: Writing and Publishing:

Produced by the Cultural Human Resources Council of Canada,

<http://www.culturalhrc.ca/>, this pamphlet provides a survey of writing careers in Canada. It includes information on writing a resume, short occupational anecdotes from writers and publishers in Canada and a selection of web resources for Canadian writers.

Tech Writer's Survival Guide: This book is a comprehensive manual for finding work as a technical writer. Chapters examine day-in-the-life experiences of technical writers, how to create a document, professional links and how to break into the industry.

Resumes for Communications Careers:

The communications industry includes more careers than writers and this volume provides excellent examples of resumes for writers, editors, public relations professionals and other occupations where strong writing skills are required.

Self-Promotion for the Creative Person:

You have a career goal, you have a portfolio...now you just need some techniques on how to get your work out to employers. This book looks at promotion for creative people, people who are selling "ideas" rather than objects, who might not know how to market what they "know" as a product. From creating a business card to writing a proposal, this book provides all the information a writer could need for marketing their work.

You can also consult the CaPS Links, Writing and Editing, http://www.ualberta.ca/CAPS/LINKS/arts/english_writing.htm, for additional resources.

Shannon Phillips²⁰⁰¹

Master of Arts, Political Science

I often tell people that I do what I do because I don't know how to do anything else. Since I was a child, I've been interested in politics – not only the names of all Mulroney's cabinet ministers or the main promises of Don Getty's 1986 provincial election platform (although neither of these snippets of trivia were lost on me at the tender age of eleven) – but also the big structures and processes that govern our lives. After a couple of years of traveling after high school, it surprised no one that I enrolled in the University of Alberta Department of Political Science in 1995.

Assistant to the Leader for the Alberta NDP. I write for *Vue Weekly* as a freelancer and also co-host *Rise Up: Radio Free Edmonton* on CJSR.

My education gave me two basic building blocks: the ability to write, think and analyse; and the knowledge base to get involved in politics at a level where I was comfortable. Within a few years I was writing speeches, providing strategic advice, managing public relations campaigns, and working with the Alberta press gallery on a daily basis. Because the U of A Political Science program is well-rounded and its professors second to none, I have adequate policy anchors when the going gets tough – which it often does when you're working for the NDP in Alberta.

I have always confined my politics to progressive ideas and causes; so my advice may not lead to a career path as a high-ranking government official. But when recent graduates ask me how I got to be where I am, I give three pieces of advice. First, one must be involved on an unpaid or poorly paid basis before one can land a good job. If you want to work for a political party, it is not realistic to expect that voting for them and armchair quarterbacking will get you a paying gig. You must have done your time – by which I mean volunteering on election campaigns or taking up leadership positions in the party apparatus. This generally applies to all political parties. It also applies to any number of social movements or advocacy work. If you do your time, however, you shouldn't be surprised when good-paying,

stable jobs come your way. They're out there for people who have demonstrated their creativity and drive.

The second piece of advice applies more generally – learn how to write. In the age of spell check, a good writer is indispensable to any organization, and you would be surprised just how rare good writers are in most workplaces. If you can be the person to update the website without embarrassing your colleagues, or the person who can whip together a press release or a leaflet, you will become integral to any organization. And, if you work at networking and make sure you keep your deadlines, freelancing can pay the bills.

Most arts graduates struggle with what they want to pursue when they're finished their undergraduate degree. I was in that same space – I wondered for a long time what I would do with my degree, and lamented the dearth of good-paying jobs in my field. That leads to my third piece of advice: remember why you chose to pursue an arts degree, and flow with both its limitations and its possibilities. If you chose an arts degree, it's because you wanted to learn how to think, read, write, analyse, and understand the world around you. It's unfortunate, but the reality is that no one is going to hand you a job on a silver platter if you chose that path. More so than disciplines like business or engineering, you will have to make it up as you go along. So look inward: decide why it is that you wanted to study what you did and build your career from there.

My education gave me two basic building blocks: the ability to write, think and analyse; and the knowledge base to get involved in politics at a level where I was comfortable.

Six years later, I had earned a Bachelor of Arts with Honors in Political Science and a Master of Arts in the same discipline. Since I wrapped up my formal education, I've worked for the U of A Students' Union, the federal NDP, and most recently, as the Director of Communications and Executive

CaPS 20th Anniversary

A look back

This summer Career and Placement Services (CaPS) will celebrate 20 years of providing services to students/alumni, employers and the University community. Over the past 20 years, CaPS has seen a tremendous growth in services and staffing; faced challenges and had many achievements. CaPS is now one of the top post-secondary career centres in Canada.

In 1986, the University Placement Office (later to be named Career and Placement Services) was established in Athabasca Hall and provided workshops and individual consultations on resume writing and interview skills. The federal government ran a Canada Employment Centre (CEC) on campus for several years prior to this. The CEC was located on the fourth floor of the Students' Union Building (SUB) and offered employers the opportunity to post jobs and interview students and alumni. In 1987, the University Placement Office joined CEC on the fourth floor of SUB. With the change in location the University Placement Office changed their name to CaPS and opened a Resource Centre. CaPS also began holding career fairs for employers to showcase their organization to students looking for work. The centres worked together until 1992 when the federal government decided to pull CEC's from all university campuses to focus other employment programs.

CaPS took over the services CEC offered and began offering new services including career forums, seminars, and additional workshops and individual consultations. Since CaPS opened many of these services have been delivered by Peer Educators.

The Peer Educator program, one of CaPS greatest achievements, employs U of A students. The program has developed

greatly since it began in 1986 and offers students the opportunity to work and learn about career planning, work search and interview skills. Students attend an intense week-long training session at the beginning of the school year. Once the training is complete, students facilitate workshops, seminars and individual consultations. They also work in the CaPS Resource Centre and are involved in promoting CaPS events. The program has been recognized by post-secondary institutes in Canada and the United States for its level of quality employment and for the skills students learn

while working at CaPS. The students have an opportunity to gain valuable skills that provide them with an edge when entering the job market. Employing students is a great way to increase awareness of CaPS on campus.

CaPS strives to improve on the services offered to both students and employers and continues to be a leader in the career development field. The department has seen a tremendous amount of growth in the past twenty years and looks forward to building on the momentum in the next twenty years and continue linking students to employers.

Student Quotes

"I am very pleased with all of the services that are provided at CaPS to students and alumni. I am still using the services after graduating over three years ago. I will definitely recommend CaPS to others."

(U of A alumnus, BEd)

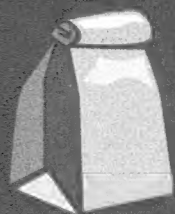
"I feel like I have a lot of new ideas to improve my resume and cover letter. By attending this session, I have an upper hand or advantage in job searching to someone who did not receive this information."

(Occupational Therapy student, 4th year)

Did You Know?

CaPS has seen a record number of job postings in the past year!

Brown Bag it to a
FREE Seminar
at CaPS!



Come to CaPS during your lunch hour for a FREE brown bag seminar! All seminars are scheduled from 12:15 - 1:00 p.m. in 2-100 SUB. Pre-registration not required!

Tips for planning your summer vocation

Wednesday, May 10

**Is it all about who you know?
Tapping the hidden job market
through networking**

Thursday, May 11 or Friday, June 23

**The armchair guide to finding
work on the web**

Wednesday, May 17

**Dear Employer... How do I write
better work search letters?**

Thursday, May 25 or Wednesday, June 28

**A world of opportunity:
Tips on finding work abroad**

Monday, June 19

Going global: Applying for work abroad

Tuesday, June 20

**Can I take a test to tell me what
to do with my life?**

Thursday, June 22

**Make me an offer! Tips on negotiating
and evaluating job offers**

Tuesday, June 27

For more information on these seminars, please visit
www.ualberta.ca/caps.

Networking *Works!*

'Networking' is one of those terms we hear often in connection with the work search (e.g. Networking is the most effective method for finding work). But just what does it mean?

Some people think of networking as introducing oneself to and making small talk with strangers at social events. It is much more than that. Networking is primarily about sharing information and building relationships. Thus, it is important to think about how you can support people in your network, as well as what support seek from them.

Following are some tips on how to network effectively:

- Put yourself in situations where you'll meet people in the area you want to work in (e.g. attend professional association meeting and conferences). If you are with people you already know, sit with some people you don't know and take the initiative to introduce yourself.
- Talk about yourself. If you want people to support you, they need to know what your goals are and what you have to offer potential employers.
- Ask people questions about their goals and provide support whenever you can. This can be as simple as referring someone to a resource or contact that they would find helpful.
- Take on projects that highlight your strengths. People are much more apt to recommend someone who does good work. This may mean volunteering.
- Show gratitude for any support you receive; for example, send a thank you card or email to someone who gave you a referral.

For more information on networking, attend the CaPS seminar, *Is it all about who you know? Tapping the hidden job market through networking*.

As well, visit the CaPS Resource Centre (2-100 SUB) and ask about our work search consultations and resources on networking.